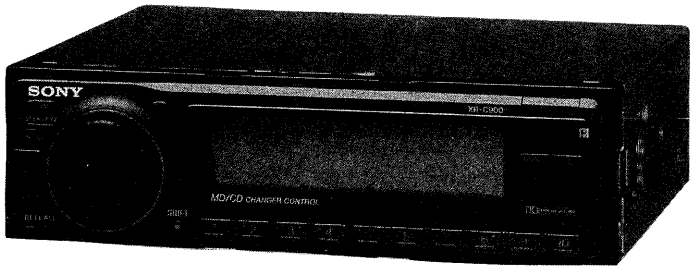
XR-C900

SERVICE MANUAL

US Model
Canadian Model
E Model



Model Name Using Similar Mechanism	NEW
Tape Transport Mechanism Type	MG-55R1-31

SPECIFICATIONS

Cassette player section

Tape track	4-track 2-channel stereo
Wow and flutter	0.06 % (WRMS)
Frequency response	25 – 22,000 Hz ±3 dB
Signal-to-noise ratio	

Cassette type	Dolby B NR	Dolby C NR	Dolby NR off
TYPE II, III, IV	70 dB	74 dB	61 dB
TYPE I	67 dB	71 dB	58 dB

Tuner section

FM

US, Canadian model :

Tuning range	87.5 – 107.9 MHz

E model :

Tuning range	FM tuning interval: 50 kHz/200 kHz switchable 87.5 – 108.0 MHz (at 50 kHz step) 87.5 – 107.9 MHz (at 200 kHz step)
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz
Usable sensitivity	8 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	66 dB (stereo), 70 dB (mono)
Harmonic distortion at 1 kHz	0.5 % (stereo), 0.3 % (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz
Capture ratio	2 dB

AM

US, Canadian model :

Tuning range	530 – 1,710 kHz

AM

Tuning range	AM tuning interval: 9 kHz/10 kHz switchable 531 – 1,602 kHz (at 9 kHz step) 530 – 1,710 kHz (at 10 kHz step)
Antenna terminal	External antenna connector
Intermediate frequency	10.71 MHz/450 kHz
Sensitivity	25 µV

Pre-amplifier section

Line outs	FRONT/REAR
Line out impedance	200 ohm
Bus input impedance	50 kohm
Distortion	0.005 % (1 kHz Bus Input)
Line out level	4 V rms

General

Outputs	Line outputs (3) Power antenna relay control lead Power amplifier control lead
Tone controls	Bass ±8 dB at 100 Hz Treble ±8 dB at 10 kHz
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 188 × 58 × 178 mm (7 3/8 × 2 3/8 × 7 1/8 in.) (w/h/d)
Mounting dimension	Approx. 182 × 53 × 157 mm (7 1/4 × 2 1/8 × 6 1/4 in.) (w/h/d)
Mass	Approx. 1.8 kg (3 lb. 15 oz.)
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1) Rotary remote RM-X2S (1) Wireless remote RM-X42 (1)

Design and specifications are subject to change without notice.

使用時は添付資料も参照のこと
Refer to the additional documents

FM/AM CASSETTE CAR STEREO

SONY

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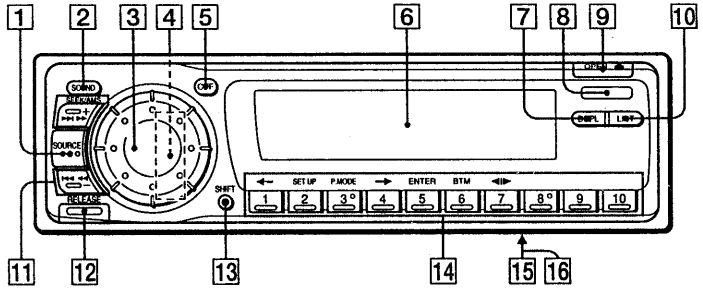
Notes on Chip Component Replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Location of controls



Refer to the pages for details.

EN

1 SOURCE (source select) button 6, 8, 12, 14, 16, 18, 20, 21, 22, 23, 27

2 SOUND button 11, 18, 19, 20, 21

3 Dial (volume/sub output volume/bass/treble/balance/fader control) 6, 9, 16, 18, 19, 20, 21

4 Reset buttons (located on the front side of the unit hidden by the front panel) 4

5 OFF button 4, 6

6 Display window

7 DSPL button (display mode change) button 7, 8, 9, 13, 16, 17

8 Receptor for wireless remote

9 OPEN ⏏ button 6

10 LIST button
Disc Memo 16
DSP Custom File 19
List-up 9, 17, 22, 23
Station Memo 9

11 SEEK/AMS (seek/Automatic Music Sensor/manual search) button 6, 7, 8, 13, 14, 15, 17, 22, 29

12 RELEASE button 4, 25

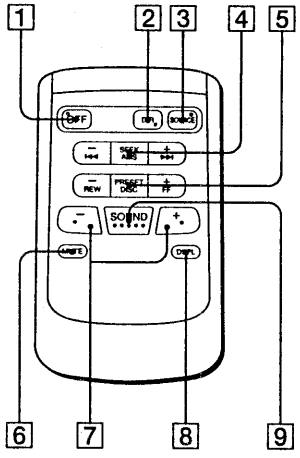
13 SHIFT button
BTM 8, 22
SET UP 6, 11, 12, 21
P.MODE 7, 8, 13, 14, 15, 17, 19

14 During radio/TV reception:
Preset number buttons 8, 22
During CD/MD playback:
Direct disc selection buttons 13

15 POWER SELECT switch (located on the bottom of the unit)
See "POWER SELECT switch" in the Installation/Connections manual.

16 FM DIVERSITY switch (located on the rear of the unit)
See "FM DIVERSITY switch" in the Installation/Connections manual.

Wireless remote (RM-X42)



Buttons with the same functions as those on this unit.

1 OFF button

3 SOURCE button

4 SEEK/AMS button

5 PRESET/DISC button
You cannot do the manual search and manual tuning with the remote commander.

6 MUTE button

7 ⊖ ⊕ buttons

8 DSPL button

9 SOUND button

Buttons with different function than those on the master unit.

2 DIR button
Changes the playback side of the cassette.

When the POWER SELECT switch is set to the B position, the unit cannot be operated with the wireless remote unless (SOURCE) on the unit is pressed or a cassette is inserted to activate the unit first.

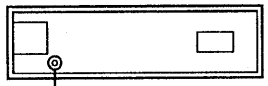
This section is extracted from instruction manual.

Getting Started

Resetting the unit

Before operating the unit for the first time or after replacing the car battery, you must reset the unit.
Press the reset button with a pointed object, such as a ballpoint pen.

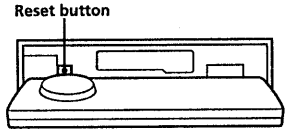
Front panel detached



Reset button

Front panel slid down

Reset button



Note

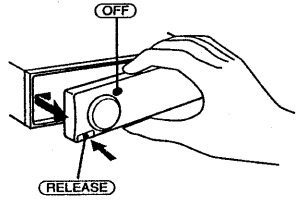
Pressing the reset button will erase the clock and some memorized functions.

Detaching the front panel

You can detach the front panel of this unit to prevent the unit from being stolen.

1 Press (OFF).

2 Press (RELEASE) to open up the front panel. Then slide the front panel a little to the left, and pull it off towards you.

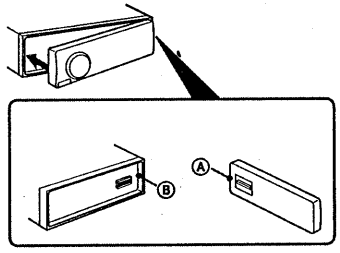


Notes

- *Do not put anything on the inner surface of the front panel.*
- *Be sure not to drop the panel when detaching it from the unit.*
- *If you detach the panel while the unit is still on, the power will turn off automatically to prevent the speakers from being damaged.*
- *When you carry the front panel with you, put it in the supplied front panel case.*

Attaching the front panel

Align part Ⓐ of the front panel to part Ⓑ of the unit as illustrated, and push until it clicks.



Notes

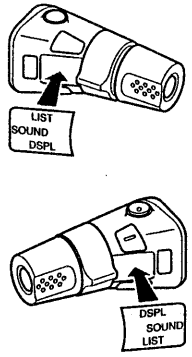
- *Be sure not to attach the front panel upside down.*
- *Do not press the front panel hard against the unit when attaching it. Press it lightly against the unit.*
- *Do not press hard or put excessive pressure on the display windows of the front panel.*
- *Do not expose the front panel to direct sunlight, heat sources such as hot air ducts, and do not leave it in a humid place. Never leave it on the dashboard of a car parked in direct sunlight where there may be a considerable rise in temperature.*

Caution alarm

If you turn the ignition key switch to the OFF position without removing the front panel, the caution alarm will beep for a few seconds (only when the POWER SELECT switch on the bottom of the unit is set to the Ⓐ position).

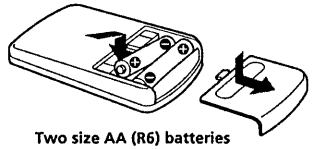
Preparing the rotary remote

When you mount the rotary remote, attach the label in the illustration below.



Preparing the wireless remote

Installing the batteries



Two size AA (R6) batteries

Battery life is approx. six months although it depends on the way of use.

Notes on batteries

To avoid damage from battery leakage and subsequent corrosion:
— insert the batteries by matching the "+" and "–" on the batteries to the "+" and "–" in the battery compartment
— do not use an old battery with a new one, or different types of batteries together
— remove the batteries when you do not use the unit for a long period of time
— do not charge the batteries.

If any battery leakage occurs, replace the batteries with new ones after cleaning the battery compartment.

Notes on wireless remote

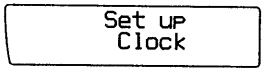
- Do not leave the wireless remote in a location near any heat sources, or in a place subject to direct sunlight (especially on the dashboard in summer etc.).
- When you park your car in direct sunlight, detach the wireless remote and place it in a location such as the glove-box, where it will not be subjected to direct sunlight.

Setting the clock

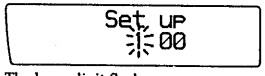
The clock has a 12-hour digital indication.

Example: Set the clock to 10:08

1 Press (SHIFT), then press (2) (SET UP).

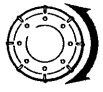


❶ Press (4) (→).



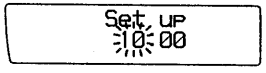
The hour digit flashes.

❷ Set the hour.

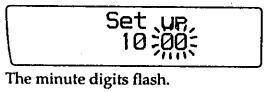


to go back

to go forward

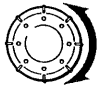


❸ Press (4) (→).



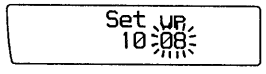
The minute digits flash.

❹ Set the minute.

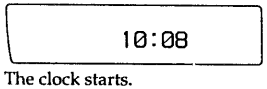


to go back

to go forward



2 Press (SHIFT).



The clock starts.

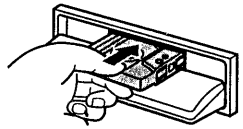
Note

If the POWER SELECT switch on the bottom of the unit is set to the ❻ position, turn the power on first, then set the clock. To turn the power on, press (SOURCE).

Cassette Player

Listening to the tape

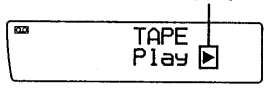
Press (OPEN) and insert the cassette.



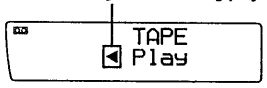
The front panel closes automatically, and playback starts.

If the cassette is already inserted, press (SOURCE) until "TAPE" and "Play ▶" or "◀ Play" appear in the display. Playback starts automatically.

The side facing up is being played.



The side facing down is being played.



Tips

- *To change the tape transport direction, press (7) (◀II▶).*
- *"TAPE" and "Metal" appear in the display when you insert the metal or CrO_2 tape (Auto Metal function).*

To	Press
Stop playback	(OFF)
Eject the cassette	(OPEN)

Fast-winding the tape

During playback, press either side of (SEEK/AMS) for one second.

Fast-forward

Rewind

To start playback during fast-forwarding or rewinding, press (7) (◀II▶).

Locating the beginning of the tracks

— Automatic Music Sensor (AMS)

You can skip up to nine tracks at one time.

During playback, press either side of (SEEK/AMS) momentarily.

To locate the succeeding tracks

To locate the previous tracks

Note

The AMS function may not work when :

- *the blanks between tracks are shorter than four seconds.*
- *there are noises.*
- *there are long sections of low volume or quiet sections.*

Changing the displayed items

Each time you press (DSPL), the item changes as follows:

→ Tape playback → Clock → Frequency*→

** While the ATA function is activated.*

Playing the tape in various modes

You can play the tape in various modes:

- Intro (Intro Scan) lets you play the first 10 seconds of all the tracks.
- Repeat (Repeat Play) repeats the current track.
- NR (Dolby NR) lets you select the Dolby* NR B or C system.
- ATA (Automatic Tuner Activation) turns on the tuner automatically while fast-winding the tape.
- B.Skip (Blank Skip) skips blanks longer than eight seconds.

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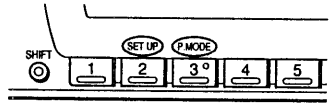
1 Press (SHIFT).

Every time you press (SHIFT), only the items you can select light up.

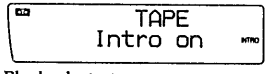


2 Press (3) (P.MODE), repeatedly until the desired play mode appears.

Each time you press (3), the item changes as follows:

Intro → Repeat → NR → ATA → B.Skip

3 Press (4) (→) to select the desired play mode setting (for example: on, NR B, or NR C).



Playback starts.

To go back to the normal playback mode, select "off" in step 3 above.

Radio

Memorising stations automatically

— Best Tuning Memory (BTM)

The unit selects the stations with the strongest signals and memorises them in the order of their frequencies. You can store up to 10 stations on each band (FM 1, FM 2, and AM).

Caution
When tuning in the station while driving, use Best Tuning Memory to prevent accidents.

1 Press (SOURCE) repeatedly to select the desired band (FM 1, FM 2, and AM).

2 Press (SHIFT), then press (6) (BTM).
The unit stores stations in the order of their frequencies on the number buttons.
A beep sounds and the setting is stored.

Notes
- *The unit does not store stations with weak signals. If only a few stations are received, some number buttons remain empty.*
- *When a preset number is indicated in the display, the unit starts storing stations from the one currently displayed.*

Memorising only the desired stations

You can store up to 10 stations on each band (20 for FM 1 and FM 2, 10 for AM) in the order of your choice.

1 Press (SOURCE) repeatedly to select the desired band.

2 Press either side of (SEEK/AMS) to tune in the station that you want to store on the number button.

3 Keep the desired number button (1 to 10) pressed until "MEM" appears in the display.

The number button indication appears in the display.

Note
If you try to store another station on the same number button, the previously stored station will be erased.

Receiving the memorised stations

1 Press (SOURCE) repeatedly to select the desired band.

2 Press the number button (1 to 10) momentarily, where the desired station is stored.

If you cannot tune in a preset station

Press either side of (SEEK/AMS) momentarily to search for the station (automatic tuning).
Scanning stops when the unit receives a station. Press either side of (SEEK/AMS) repeatedly until the desired station is received.

Note
If the automatic tuning stops too frequently, press (SHIFT), then press (3) (P.MODE) repeatedly until "Local off" (local seek mode) is displayed. Then press (4) (→) to select "Local on."
Only the stations with relatively strong signals will be tuned in.

Tip
If you know the frequency of the station you want to listen to, press and hold down either side of (SEEK/AMS) for a few seconds until the desired frequency appears (manual tuning).

If FM stereo reception is poor

— Monaural Mode

1 Press (SHIFT), then press (3) (P.MODE) repeatedly until "Mono" appears.

2 Press (4) (→) repeatedly until "Mono on" appears.
The sound improves, but becomes monaural ("STEREO" disappears).

To go back to the normal mode, select "Mono off" in step 2 above.

Changing the displayed items

Each time you press (DSPL), the item changes as follows:

Station name ⟷ Clock

Storing the station names

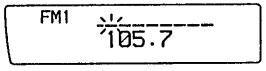
— Station Memo

You can assign a name to each radio station and store it in memory. The name of the station currently tuned in appears in the display. You can store up to eight characters for a station.

Storing the station names

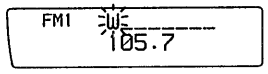
1 Tune in a station whose name you want to store.

2 Press (LIST) for two seconds.



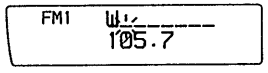
3 Enter the characters.

❶ Rotate the dial in a clockwise direction to select the desired characters.
(A → B → C → ··· Z → 0 → 1 → 2 → ··· 9 → + → − → * → / → \ → > → < → . → _)



If you rotate the dial in a counterclockwise direction, the characters appear in the reverse order.
If you want to put a blank space between characters, select "_" (under-bar).

❷ Press (4) (→) after locating the desired character.
The flashing cursor moves to the next space.



If you press (1) (←), the flashing cursor moves to the left.

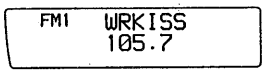
❸ Repeat steps ❶ and ❷ to enter the entire name.

4 To return to the normal radio reception, press (LIST) for two seconds.

Tip
To erase/correct a name, enter "_" (under-bar) for each character.

Displaying the station name

Press (DSPL) during radio reception.



Each time you press (DSPL), the item changes as follows:

Station name* ⟷ Clock

** If the station name is not stored, "NO Name" appears in the display for one second.*

Erasing the station name

1 Tune in any station and press (LIST) for two seconds.

2 Press (DSPL) for two seconds.
"Delete" and the station name appear in the display.

3 Rotate the dial to select the name that you want to erase.

4 Press (5) (ENTER) for two seconds.
The name is erased.
Repeat steps 3 and 4 if you want to erase other names.

5 Press (LIST) for two seconds.
The unit returns to the normal radio reception mode.

Locating a station by frequency and name — List-up

You can search for the memorized stations names in the display.

1 Press (LIST) momentarily.
The frequency or the name assigned to the station currently receiving appears in the display.

2 Press (LIST) repeatedly until you find the desired station.

3 Press (5) (ENTER) to tune in the desired station.

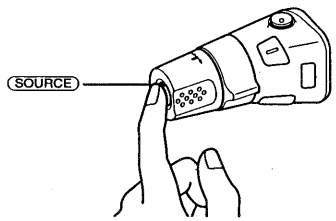
Note
Once the station name or frequency has been displayed for five seconds, the display goes back to its normal mode. To go back to the normal mode, press (DSPL).

Other Functions

Using the rotary remote

The rotary remote works by pressing buttons and/or rotating controls.
You can control the optional CD or MD changer with the rotary remote.

By pressing the button (the SOURCE button)



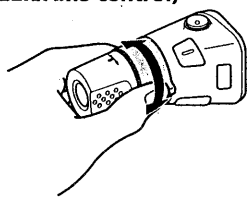
Each time you press (SOURCE), the source changes as follows:

FM1 → FM2 → AM → CD1 → CD2 → MD1 → MD2 → TAPE → TV → AUX

Tip

You can turn on this unit by pressing (SOURCE) on the rotary remote.

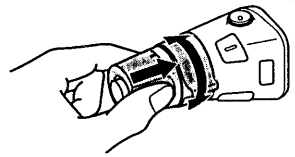
By rotating the control (the SEEK/AMS control)



Rotate the control momentarily and release it to:

- Locate the beginning of the tracks on the tape. Rotate and hold the control, and release it to fast-wind the tape. To playback, rotate and hold the control again, and release it.
- Locate a specific track on a disc. Rotate and hold the control to locate the specific point in a track, then release it to start playback.
- Tune in the stations automatically. Rotate and hold the control to tune in the specific station.

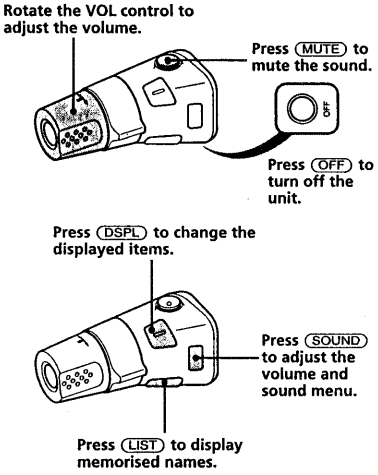
By rotating the control while pushing (the PRESET/DISC control)



Rotate the control while pushing it to:

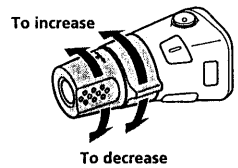
- Receive the stations memorised on the preset buttons.
- Change the disc.

Other operations

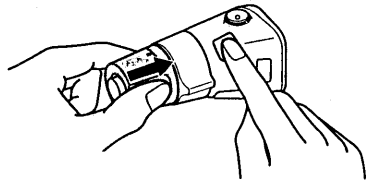

Rotate the VOL control to adjust the volume.
Press (MUTE) to mute the sound.
Press (OFF) to turn off the unit.
Press (DSPL) to change the displayed items.
Press (SOUND) to adjust the volume and sound menu.
Press (LIST) to display memorised names.

Changing the operative direction

The operative direction of controls is factory preset as in the illustration below.



If you need to mount the rotary remote on the right of the steering column, you can reverse the operative direction of the controls.



Press (DSPL) two seconds while pushing the VOL control.

Tip

You can control the operative direction of controls with the unit.

Adjusting the sound characteristics

You can adjust the sub output volume, bass, treble, balance and fader.
Each source can store the sub output, bass and treble level respectively.

1 Select the item you want to adjust by pressing (SOUND) repeatedly.

VOL (volume) → SUB (sub output volume) → BAS (bass) → TRE (treble) → BAL (balance) → FAD (fader)

2 Adjust the selected item by rotating the dial.
Adjust within three seconds after selecting. (After three seconds, the dial works as volume control dial.)

Changing the sound and display settings

You can set:

- Amber/Green to change the illumination color to amber or green.
- Beep to turn on or off the beeps.
- Dimmer to change the brightness of the display.
  — Select "Auto" to dim the display only when you turn the lights on.
  — Select "on" to dim the display.
- Loud (Loudness) to enjoy bass and treble even at low volume. Bass and treble will be reinforced.
- RM (Rotary Remote) to change the operative direction of the controls of the rotary remote.
  — Select "norm" to use the rotary remote as the factory preset position.
  — Select "rev" when you mount the rotary remote on the right of the steering column.
- Angle to change the angle of the front panel.
  — Select "1" to make the front panel angle at about 80 degrees.
  — Select "2" to make the front panel angle at about 70 degrees.
- Contrast to adjust the contrast if the indications in the display are not recognizable because of the unit's installed position.

1 Press (SHIFT), then press (2) (SET UP).

2 Press (2) (SET UP) repeatedly until the desired setting mode appears.

Each time you press (2) (SET UP), the item changes as follows:

Clock → Amber/Green → Beep → Dimmer → Loud → RM → Angle → Contrast

3 Press (4) (→) to select the desired setting (for example: "on" or "off").
At "Contrast" setting, pressing (4) (→) makes the contrast higher, and pressing (1) (←) makes the contrast lower.

4 Press (SHIFT).
When the mode setting is complete, the normal playback mode appears.

EN

EN

Other Functions

Turning off the display

You can turn off the display. Even when you turn off the display, the buttons keep on illuminating. While the display is turned off, pressing any of the buttons turn the display on for five seconds.

1 Press (SHIFT), then press ② (SET UP) for two seconds.

2 Press ④ (→) to select "off."

3 Press ② (SET UP) for two seconds.
The normal playback mode appears.

To turn on the display, select "on" in step 2 above.

EN

8

With Optional Equipment

CD/MD Changer

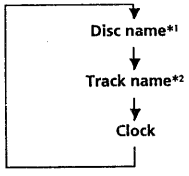
Playing a CD or MD

Press (SOURCE) until the desired changer appears.
CD/MD playback starts.

When a CD or MD changer is connected, all the tracks play from the beginning.

Changing the displayed items

Each time you press (DSPL) during CD/MD playback, the item changes as follows:



*1 *If you have not labeled the CD, "NO Name" appears in the display. If there is no prerecorded name for an MD, "NO D. Name" appears in the display.*

*2 *If the track name of an MD is not prerecorded, "NO T. Name" appears in the display.*

Tip

If the name of the MD is too long, you can scroll it across the display by pressing (SHIFT), then ① (←).

Automatically scrolling a disc name — Auto Scroll

The Auto Scroll function automatically scrolls the disc or track name of an MD when you press (DSPL) and the name length exceeds ten characters.

1 Press (SHIFT), then press ② (SET UP) repeatedly until "A. Scrl" appears.

2 Press ④ (→) to select "A. Scrl on."

To cancel Auto Scroll, select "A. Scrl off" in step 2 above.

Displaying the recording date of the currently selected MD

Press (DSPL) for two seconds during MD playback.
The recording date of the track is displayed for about three seconds.

Locating a specific track — Automatic Music Sensor (AMS)

During playback, press either side of (SEEK/AMS) once for each track you want to skip.

To locate succeeding tracks

To locate previous tracks

Locating a specific point in a track — Manual Search

During playback, press and hold either side of (SEEK/AMS). Release the button when you have found the desired point.

To search forward

To search backward

Locating a disc by disc number — Direct Disc Selection

Press the number button that corresponds with the desired disc number.
The desired disc in the currently selected changer begins playback.

Scanning the tracks — Intro Scan

You can play the first 10 seconds of all the tracks on the currently selected disc.

1 During playback, press (SHIFT), then press ③ (P.MODE) repeatedly until "Intro" appears.

2 Press ④ (→) repeatedly until "Intro on" appears.
Intro Scan starts.

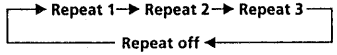
To go back to the normal playback mode, select "Intro off" in step 2 above.

Playing tracks repeatedly — Repeat Play

You can select:
- REP 1 to repeat a track.
- REP 2 to repeat a disc.
- REP 3 to repeat all the discs in the current changer when you connected two changers or more.

1 During playback, press (SHIFT), then press ③ (P.MODE) repeatedly until "Repeat" appears.

2 Press ④ (→) repeatedly until the desired setting appears.



Repeat play starts.

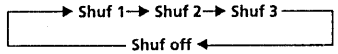
To go back to the normal playback mode, select "Repeat off" in step 2 above.

Playing tracks in random order — Shuffle Play

You can select:
- SHUF 1 to play the tracks on the current disc in a random order.
- SHUF 2 to play the tracks in the current changer in a random order.
- SHUF 3 to play all the tracks in a random order when you connected two changers or more.

1 During playback, press (SHIFT), then press ③ (P.MODE) repeatedly until "Shuf" appears.

2 Press ④ (→) repeatedly until the desired setting appears.



Shuffle play starts.

To go back to the normal playback mode, select "Shuf off" in step 2 above.

EN

Other Functions/CD/MD Changer

Creating a program

— Program Memory (CD/MD changer with program memory function)

You can play the tracks in the order you want by making your own program. You can make two programs: Program 1 and Program 2. You can select up to 12 tracks in each program. You can store the programs in memory.

1 Press (SHIFT), then press ③ (P.MODE) for two seconds.

Program edit mode

"P1" shows Program 1 is selected.

If you have labeled the disc, the bank edit mode appears. Press ③ (P.MODE) to display "PGM edit" above.

To select Program 2, press ④ (→) repeatedly until "P 2" appears.

2 Select the track you want.

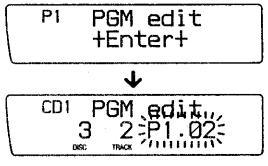
❶ Press (SOURCE) repeatedly to select the changer.

❷ Press (SHIFT), then press the number button to select the disc.

❸ Press (SHIFT).

❹ Press either side of (SEEK/AMS) to select the track.

3 Press ⑤ (ENTER) momentarily.



4 To continue entering tracks, repeat steps 2 and 3.

5 When you finish entering tracks, press ③ (P.MODE) for two seconds.

Notes

- *"*Wait*" appears in the display while the unit is reading the data, or when a disc has not been put into the unit.*
- *"*Mem full*" appears in the display when you try to enter more than 12 tracks into a program at one time.*

Playing the stored program

Changing the disc order in the changer will not affect program memory play.

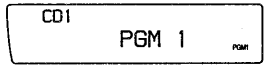
You can select:
- PGM 1 to play Program 1.
- PGM 2 to play Program 2.
- PGM 1+2 to play Programs 1 and 2.

1 Press (SHIFT).

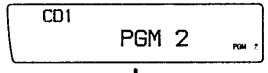
2 Press ③ (P.MODE) repeatedly until "PGM" appears.

3 Press ④ (→) repeatedly until the desired program appears.
Program play starts.

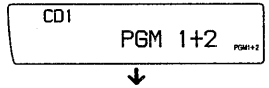
Program 1 Playback



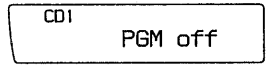
Program 2 Playback



Programs 1 and 2 Playback



Normal Playback



To go back to the normal playback mode, select "PGM off" in step 3 above.

Notes

- *If you press the number button during program memory play, program memory play is interrupted, and playback of the selected disc starts.*
- *"NO Data" appears in the display if no track is stored in the program.*
- *If a track stored into the program memory is not in the disc magazine, the track will be skipped.*
- *When the disc magazine contains not a single track stored into the program memory, or when the program information has not been loaded yet, "Not Ready" appears.*

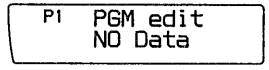
Erasing the entire program

1 Press (SHIFT), then press ③ (P.MODE) for two seconds.
If you have labeled the disc, the bank edit mode appears. Press ③ (P.MODE) to display "PGM edit".

2 Press ① (←) repeatedly until "DEL" appears.

To erase Program 2, press ④ (→) repeatedly until "PGM 2" appears.

3 Press ⑤ (ENTER) for two seconds.



The entire program is erased.

4 When you finish erasing programs, press ③ (P.MODE) for two seconds.

Adding tracks to the program

1 Press (SHIFT), then press ③ (P.MODE) for two seconds.
If you have labeled the disc, the bank edit mode appears. Press ③ (P.MODE) to display "PGM edit".

To select Program 2, press ④ (→) repeatedly until "P 2" appears.

2 Press ① (←) or ④ (→) to select the track slot number where you want to insert a track.

Track slot number

3 Press either side of (SEEK/AMS) to select the track you want to insert.

4 Press ⑤ (ENTER) momentarily to enter the track.
The current track in that slot number and the succeeding tracks shift down.
To continue inserting tracks, repeat steps 2 through 4.

Note

*Once all 12 slots have been filled, "*Mem full*" appears in the display, and you cannot insert tracks.*

5 When you finish inserting tracks, press ③ (P.MODE) for two seconds.

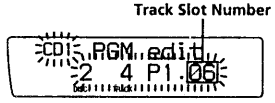
Erasing the tracks in the program

1 Press (SHIFT), then press ③ (P.MODE) for two seconds.
If you have labeled the disc, the bank edit mode appears. Press ③ (P.MODE) to display "PGM edit".

To select Program 2, press ④ (→) repeatedly until "P 2" appears.

2 Press ① (←) or ④ (→) to select the track you want to erase.

Track Slot Number



The track currently registered in slot 6 of Program 1.

3 Press ⑤ (ENTER) for two seconds.
When you erase a track from a slot number, the succeeding tracks shift up to fill the gap.

4 To continue erasing tracks, repeat steps 2 and 3.

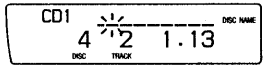
5 When you finish erasing tracks, press ③ (P.MODE) for two seconds.

Labeling a CD

— Disc Memo
(CD changer with custom file function)

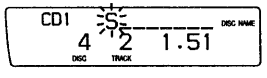
You can label each disc with a personalized name. You can enter up to 8 characters for a disc. If you label a CD, you can locate a disc by name (page 17) and select the specific tracks for playback (page 17).

1 Play the CD and press (LIST) for two seconds.



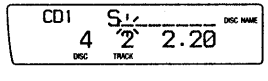
2 Enter the characters.

❶ Rotate the dial in a clockwise direction to select the desired characters.
(A → B → C → ··· Z → 0 → 1 → 2 → ··· 9 → + → − → * → / → \ → > → < → . → _)



If you rotate the dial in a counterclockwise direction, the characters appear in the reverse order. If you want to put a blank space between characters, select "_" (under-bar).

❷ Press (4) (→) after locating the desired character.
The flashing cursor moves to the next space.



If you press (1) (←), the flashing cursor moves to the left.

❸ Repeat steps ❶ and ❷ to enter the entire name.

3 To return to the normal CD playback mode, press (LIST) for two seconds.

Tip
To erase/correct a name, enter "_" (under-bar) for each character.

Displaying the disc memo

Press (DSPL) during CD playback.

Each time you press (DSPL) during CD playback, the item changes as follows:
Disc memo ⟷ Clock

Erasing the disc memo

1 Press (SOURCE) to select the CD changer.

2 Press (LIST) for two seconds.

3 Press (DSPL) for two seconds.
"Delete" and the disc memo appear in the display.

4 Rotate the dial to select the name that you want to erase.

5 Press (5) (ENTER) for two seconds.
The name is erased.
Repeat steps 4 and 5 if you want to erase other names.

6 Press (LIST) for two seconds.
The unit returns to the normal CD playback mode.

Locating a disc by name

— List-up (CD changer with custom file function or MD changer)

You can use this function for the discs that have been assigned a custom name. For more information on disc names, refer to "Labeling a CD" (page 16).

1 Press (LIST) momentarily.
The names assigned to the disc currently playing and the next disc to be played appear in the display. The name assigned to currently playing disc is flashing.

2 Press (LIST) repeatedly until you find the desired disc.

3 Press (5) (ENTER) to play back the disc.

Notes
- *To go back the normal display, press (DSPL). Once a disc name has been displayed for five seconds, the display goes back to its normal playback mode.*
- *The track names are not displayed during MD playback.*
- *If there are no discs in the magazine, "NO Disc" appears in the display.*
- *If a disc has not been assigned a custom file, "********" appears in the display.*
- *If the disc information has not been read by the unit, "?" appears in the display. To load the disc, first press the number button, then choose the disc that has not been loaded.*
- *The information appears only in upper cases. There are also some letters which cannot be displayed (during MD playback).*

Selecting the specific tracks for playback

— Bank
(CD changer with custom file function)

If you label the disc, you can set the unit to skip tracks and play only the tracks you want.

1 Start playing the disc and press (SHIFT). Then press (3) (P.MODE) for two seconds.
Bank edit mode

Note
If you have not labeled the disc, the bank edit mode does not appear and the program edit mode appears. To go back to the normal playback mode, press (3) (P.MODE) for two seconds.

2 Press either side of (SEEK/AMS) to select the track number you want to skip and press (5) (ENTER).

The indication changes from "Play" to "Skip." If you want to return to "Play," press (5) (ENTER) again.

3 Repeat step 2 to set the "Play" or "Skip" mode on all the tracks.

4 Press (3) (P.MODE) for two seconds.

Notes
- *You can set the "Play" and "Skip" mode on up to 24 tracks.*
- *You cannot set the "Skip" mode on all the tracks.*

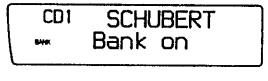
Playing the specific tracks only

You can select:
- Bank on to play the tracks with the "Play" setting.
- Bank inv (inverse) to play the tracks with the "Skip" setting.

1 During playback, press (SHIFT), then press (3) (P.MODE) repeatedly until "Bank" appears.

2 Press (4) (→) repeatedly until the desired setting appears.

▶ Bank on ⟶ ▶ Bank inv ⟶ ▶ Bank off



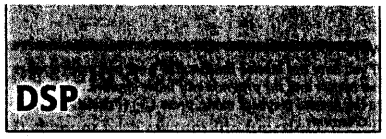
Playback starts from the track following the current one.

To go back to the normal playing mode, select "Bank off" in step 2 above.

EN

—10—

CD/MD changer



With the optional XDP-U50D connected

The optional XDP-U50D lets you add some effects to the sound field of the currently selected source.

Selecting a surround menu

You can select a desired surround menu to best fit the source audio. The following menu can simulate different sound fields and enhance the sound so that you can feel as if you are in a live concert.

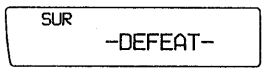
EN

Surround menu

HALL	Concert hall
JAZZ	Jazz club
DISCO	Disco with thick walls
THEATER	Movie theater
PARK	Big open space
LIVE	Live concert
OPERA	Opera house
CHURCH	Church/chapel with a lot of reverberation
STADIUM	Open-air concert in a stadium
CELLAR	Cellar with a lot of reverberation
DEFEAT	Normal sound without any DSP effects

1 Press (SOURCE) to select a source (radio, tape, CD, or MD).

2 Press (SOUND) repeatedly until "SUR" appears.



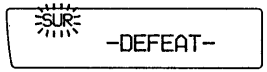
3 Rotate the dial to select the desired surround menu.
The surround menu appears in the order shown above.

After three seconds, the display goes back to the normal playback mode.

Adjusting the effect level

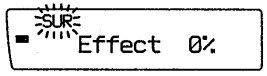
1 Press (SOURCE) to select a source (radio, tape, CD, or MD).

2 Press (SOUND) for two seconds.

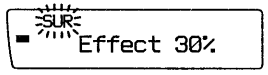


3 Rotate the dial to select the desired surround menu.

4 Press ④ (→).



5 Rotate the dial to adjust the level.
You can adjust the level from 0 to 100%. Increase the level to enjoy more enhanced effects.



6 Press (SOUND) for two seconds.

Storing the surround effect onto the CDs

— Digital Signal Processor (DSP) Custom File (CD changer with custom file function)

Once you have registered the desired surround menu onto the discs, you can enjoy the same surround menu every time you play them. (Only when you have labeled the disc by the Custom File function.)

1 Press (LIST) for two seconds.

2 Press (LIST) until the surround menu appears.

DSP Custom File mode

3 Rotate the dial to select the desired surround menu.

4 Press (LIST) for two seconds.
When the effect setting complete, the display goes back to the normal playback mode.

Playing the disc with the stored surround menu

1 Press (SHIFT), then press ③ (P.MODE) repeatedly until "D.File" appears.

2 Press ④ (→) to select "D. File on."
After five seconds, the display goes back to the normal playback mode.

To cancel to play the disc with stored surround menu, select "D. File off" in step 2 above.

Changing the stored surround effect

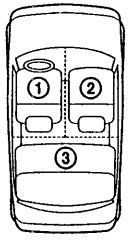
Play the disc whose surround mode you want to change, and follow the steps of "Storing the surround effect onto CDs".

Erasing the stored surround effect

Select "DEFEAT" in step 3 of "Storing the surround effect onto CDs".

Selecting the listening position

You can set the time for the sound to reach the listeners from the speakers.
The unit can simulate a natural sound field so that you can feel as if you are in the center of the sound field wherever you sit in the car.

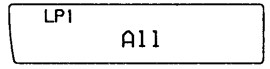


Display window	Center of sound field
LP1 All	Normal setting (① + ② + ③)
LP2 Front	Front part (① + ②)
LP3 Front R	Right front (②)
LP4 Front L	Left front (①)
LP5 Rear	Rear part (③)

EN

DSP

1 Press (SOUND) momentarily until "LP1" appears.



2 Rotate the dial to select the desired listening position.
The listening positions appear in the order shown above.

After three seconds, the display goes back to the normal playback mode.

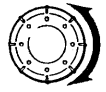
Adjusting the listening position

1 Press (SOUND) for two seconds.

2 Rotate the dial to select the desired listening position.

3 Press ④ (→).

4 Rotate the dial to adjust the center of the sound field to the left or right. Then set the center of the sound field.



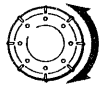
Center moves to the L (left)

Center moves to the R (right)

continue to next page →

5 Press ④ (→).

6 Rotate the dial to adjust the center of the sound field to the front or rear.



Center moves to the R (rear)

Center moves to the F (front)

7 Press SOUND for two seconds.
When the effect setting is complete, the normal playback mode display appears.

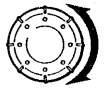
Adjusting the fader (FAD)

Normally, with the DSP mode on, the volume of the output sound from the rear speakers is lowered automatically to improve the efficiency of the listening position setting. If you want to raise the rear speaker volume, adjust the fader.

1 Follow steps 1 to 3 of "Selecting a surround menu" (page 18).

2 Press SOUND momentarily until "FAD" appears.

3 Rotate the dial to adjust the fader.



Decreases front speaker volume

Increases front speaker volume

After three seconds, the display goes back to the normal playback mode.

Adjusting the volume of the subwoofer(s)

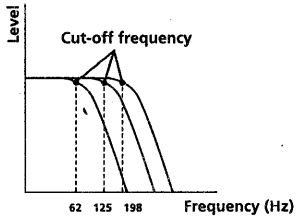
1 Press SOURCE to select a source (radio, tape, CD, or MD).

2 Press SOUND repeatedly until "SUB" appears.

3 Rotate the dial to adjust the volume.
After three seconds, the display goes back to the normal playback mode.

Adjusting the frequency of the subwoofer(s)

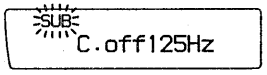
To match the characteristics of the connected subwoofer(s), you can cut the unwanted high and middle frequency signals entering the subwoofer(s). By setting the cut-off frequency (see the diagram below), the subwoofer(s) will output only low frequency signals so that you can get a clearer sound image.



1 Press SOURCE to select a source (radio, tape, CD, or MD).

2 Press SOUND for two seconds.

3 Press SOUND repeatedly until "SUB" appears.



4 Rotate the dial to select the desired cut-off frequency.
The cut-off frequency in the display changes.

5 Press SOUND for two seconds.
When the frequency setting is complete, the display goes back to the normal playback mode.

Adjusting the volume of the bass and treble

You can adjust the volume of the bass and treble to best fit the acoustic characteristics inside your car.

1 Press SOURCE to select a source (radio, tape, CD, or MD).

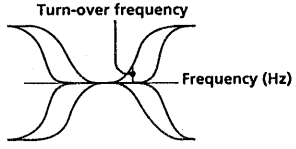
2 Press SOUND repeatedly until "BAS" or "TRE" appears.

3 Rotate the dial to adjust the volume.

After three seconds, the display goes back to the normal playback mode.

Adjusting the turn-over frequency

You can adjust the bass and treble turn-over frequencies.

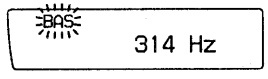


1 Press SOURCE to select a source (radio, tape, CD, or MD).

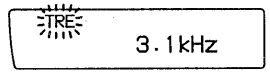
2 Press SOUND for two seconds.

3 Press SOUND repeatedly until "BAS" or "TRE" appears.

Bass adjusting mode



Treble adjusting mode



4 Rotate the dial to select the turn-over frequency.
The turn-over frequencies change as follows:

Bass:
198 Hz → 250 Hz → 314 Hz* → 396 Hz

Treble:
2.0 kHz → 3.1 kHz* → 4.0 kHz → 5.0 kHz

* *Factory-set frequency*

5 Press SOUND for two seconds.
The display goes back to the normal playback mode.

Listening to each program source in its registered surround menu

— Source Sound Memory (SSM)

You can listen to the same source always in the same surround menu even after changing the program source or turning the unit on and off again.

Changing the line output level

1 Press SHIFT, then press ② (SET UP) until "L.out" appears.

2 Press ④ (→) to select the desired setting (–10 dB or –16 dB).

TV/Video

With the optional TV tuner and TV monitor connected

Watching the TV

1 Press (SOURCE) repeatedly until "TV" appears.

2 Press either side of (SEEK/AMS) to select the desired TV band.

Watching the video

EN

Press (SOURCE) repeatedly until "AUX" appears.
Playback the video.

Memorizing TV channels automatically

— Automatic Memory (A.mem)

The unit selects the TV channels with the strongest signals and memorizes them in the order of their channel numbers.

Caution
When tuning in the station while driving, use Best Tuning Memory to prevent accidents.

1 Press (SOURCE) repeatedly until "TV" appears.

2 Press (SHIFT), then press (6) (BTM).
The unit stores TV channels in the order of their frequencies on the number buttons.

Notes
- *The unit does not store TV channels with weak signals. If only a few TV channels are received, some number buttons will remain empty.*
- *When a preset number is indicated in the display, the unit starts storing TV channels from the one currently displayed.*

Memorizing only the desired TV channels

You can store up to 10 channels on the number buttons in the order of your choice.

1 Press (SOURCE) repeatedly until "TV" appears.

2 Press either side of (SEEK/AMS) to tune in the TV channel that you want to store on the number button.

3 Keep the desired number button ((1) to (10)) pressed for two seconds until you hear a beep tone.
The number button indication appears in the display.

Note
If you try to store another channel on the same number button, the previously stored channel will be erased.

Storing the TV channel names

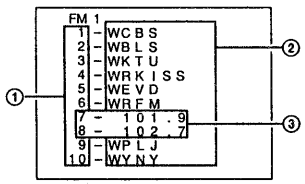
Do the steps in "Storing the station names" (page 9).

Displaying the TV or radio station names — List-up

You can display the memorized TV channels or radio stations.

Press (LIST) momentarily during TV or radio reception.

Example: When receiving the FM1 band



① Preset number
② Stored station names
③ Frequencies

The current station is displayed in magenta.

Note
If the name of a station is not stored, the frequency of that station will be displayed instead.

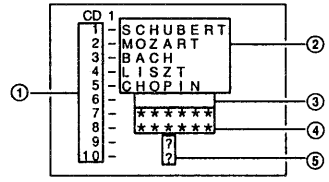
Turning off the display

During radio reception, press (LIST) again.
During TV reception, the list display on the TV monitor will automatically turn off after a few seconds.

Displaying the information stored on discs — List-up

Press (LIST) momentarily during CD/MD playback.

Example: When CD changer 1 is selected.



① Disc number
(only when the CD changer is selected)
② Titles stored on the custom file
③ No disc is loaded
④ No stored titles
⑤ TOC information has not been identified yet

The current CD is displayed in magenta, the MD is displayed in yellow.

Tip
Each time you press (LIST) during MD playback, the item changes as follows:
Disc name → Track name → Normal play

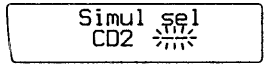
Turning off the display

Press (LIST) again.

Watching the TV or video while listening to a tape, CD, or MD — Simultaneous Play

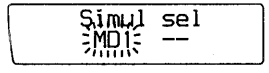
The simultaneous play function does not work while you are listening to the radio.

1 Press (SOURCE) for two seconds.

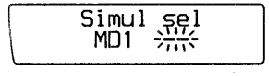


2 Press (1) (←).

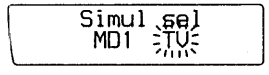
3 Press (SOURCE) repeatedly to select a tape, CD, or MD.



4 Press (4) (→).



5 Press (SOURCE) repeatedly to select a TV or video.



6 Press (SOURCE) for two seconds.
Simultaneous Play starts.

Returning to the normal mode

To cancel the tape, CD, or MD, do the steps above and select "– –" in step 3.

To cancel the TV or video, do the steps above and select "– –" in step 5.

Note
If you press the OPEN button of this unit or the EJECT button on a CD/MD changer when the unit is in the simultaneous play mode, the simultaneous play is canceled.

EN

TV/Video

Connections

Caution

- This unit is designed for negative ground 12 V DC operation only.
- Before making connections, disconnect the ground terminal of the car battery to avoid short circuits.
- Connect the **yellow** and **red** power input leads only after all other leads have been connected.
- Be sure to connect the red power input lead to the positive 12 V power terminal which is energized when the ignition key is in the accessory position.
- **Run all earth wires to a common earth point.**

If your car has no accessory position on the ignition key switch — POWER SELECT switch

The illumination on the front panel is factory-set to be turned on even when the unit is not being played. However, this setting may cause some car battery wear **if your car has no accessory position on the ignition key switch.** To avoid this battery wear, **set the POWER SELECT switch located on the bottom of the unit to the ⓑ position, then press the reset button.** The illumination is reset to stay off while the unit is not being played.

Note

The caution alarm for the front panel is not activated when the POWER SELECT switch is set to the ⓑ position.

When an FM diversity antenna is used — FM DIVERSITY switch

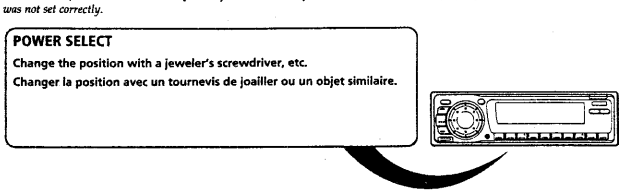
The unit can be connected with diversity antennas. If you use this unit with the diversity antennas, set the FM DIVERSITY switch located at the rear of the unit to the ON position to activate the diversity system.

When you do not use the FM diversity antennas

If you wish to connect a conventional rod antenna, be sure to connect it to the antenna connector of the unit marked "MAIN", and set the FM DIVERSITY switch to the OFF position. Never connect the antenna to the connector marked "SUB", otherwise if the FM DIVERSITY switch is set to the ON position, the radio signals may not be received properly.

Note

The radio reception will be disturbed by noise if the connection of the antennas was not made properly or the FM DIVERSITY switch was not set correctly.


POWER SELECT
Change the position with a jeweler's screwdriver, etc.
Changer la position avec un tournevis de joailler ou un objet similaire.

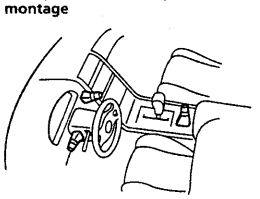
When you change the position of the switch, be sure to press one of the reset buttons after the connections are completed.

Installing the rotary remote

Notes

- *Choose the mounting location carefully so that the rotary remote will not interfere with operating the car.*
- *Do not install the rotary remote in a place where it may jeopardize the safety of the (front) passenger in anyway.*
- *When installing the rotary remote, be sure not to damage the electrical cables etc. on the other side of the mounting surface.*
- *Avoid installing the rotary remote where it may be subject to high temperatures, such as from direct sunlight or hot air from the heater etc.*

Example of a mounting location/Exemple de montage

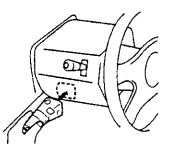


1 **Choose the exact location for the rotary remote to be mounted, then clean the mounting surface.**

Dirt or oil impair the adhesive strength of the double-sided adhesive tape.

Choisissez la position de montage exacte du satellite de télécommande et nettoyez la surface de montage.

Les souillures et l'huile altèrent le pouvoir adhérent de l'adhésif double face.

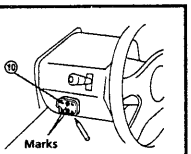


2 **Mark two positions for the supplied screws.**

Use the screw holes on the mounting hardware ⓾ to mark the positions.

Marquez deux repères de positionnement pour les vis fournies.

Utilisez les trous à vis du support de montage ⓾ pour marquer ces repères de positionnement.



3 **Remove the steering wheel column cover, and drill 2 mm diameter holes where you have marked.**

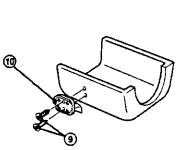
Déposez le couvercle de la colonne de direction et percez des trous de 2 mm de diamètre à l'endroit où vous avez marqué les repères de positionnement.

4 **Warm the mounting surface and the double-sided adhesive tape on the mounting hardware ⓾ to the temperature of 20°C to 30°C, and attach the mounting hardware onto the mounting surface by applying even pressure. Then screw it down with the supplied screws ⑨.**

Attach a piece of heavy duty tape etc. on the other side of the mounting surface to cover the protruding tips of the screws so that they will not interfere with the electrical cables etc. inside the steering wheel column.

Chauffez la surface de montage et la bande adhésive double face sur le support de montage ⓾ à une température de 20 à 30°C. Fixez le support de montage sur la surface de montage en exerçant une pression uniforme. Vissez-la ensuite à l'aide des vis ⑨ fournies.

Collez de la bande adhésive résistante, etc., de l'autre côté de la surface de montage de manière à couvrir l'extrémité saillante des vis de telle sorte qu'elle ne puissent entrer en contact direct avec les câbles électriques, etc., à l'intérieur de la colonne de direction.



5 **After installing the steering wheel column cover, attach the rotary remote to the mounting hardware by aligning the four holes on the bottom of the rotary remote to the four catches on the mounting hardware and sliding the rotary remote until it locks into place as illustrated.**

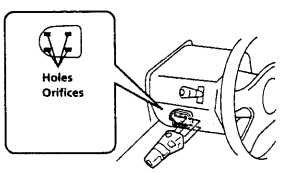
Note

If you are mounting the rotary remote to the steering wheel column, make sure that the protruding tips of the screws on the inner surface of the column do not in anyway hinder or interfere with the movement of the rotating shaft, operative parts of the switches or the electrical cables etc. inside the column.

Après avoir remonté le couvercle de la colonne de direction, fixez le satellite de télécommande sur le support de montage en alignant les quatre orifices pratiqués à la base du satellite sur les quatre ergots du support de montage et faites coulisser le satellite de télécommande jusqu'à ce qu'il s'encliquette dans sa position définitive comme illustré.

Remarque

Si vous montez le satellite de télécommande sur la colonne de direction, assurez-vous que l'extrémité saillante des vis à l'intérieur de la colonne de direction n'entrave en aucune façon le mouvement de l'axe, des organes de commande, des commutateurs ou des câbles électriques, etc., à l'intérieur de la colonne de direction.



Connexions

Précautions

- Cet appareil est conçu pour fonctionner sur tension continue de 12 V avec masse négative.
- Avant d'effectuer les connexions, débrancher la borne de terre de la batterie du véhicule pour éviter tout court-circuit.
- Brancher les fils d'entrée d'alimentation **jaune** et **rouge** seulement après avoir terminé tous les autres branchements.
- Veiller à ne pas raccorder le fil rouge d'entrée d'alimentation à la borne positive de 12 V qui est alimentée quand la clé de contact est sur la position accessoires.
- **Rassembler tous les fils de terre en un point de masse commun.**

Si l'appareil est utilisé dans une voiture dont la clé de contact n'a pas de position accessoires — Interrupteur POWER SELECT

L'éclairage du panneau avant est réglé en usine de manière à s'allumer même quand l'appareil ne fonctionne pas. Cependant, ce réglage risque d'épuiser la batterie **si l'appareil est utilisé dans une voiture dont la clé de contact ne possède pas de position accessoires.** Pour éviter d'épuiser la batterie, régler l'interrupteur **POWER sur le socle de l'appareil sur la position ⓑ, puis appuyer sur la touche de réinitialisation.** L'éclairage est réglé pour rester éteint quand l'appareil n'est pas utilisé.

Remarque

Quand l'interrupteur POWER SELECT est réglé sur la position ⓑ, l'avertisseur du panneau avant ne fonctionne pas.

Utilisation d'un antenne FM à rayonnement zénithal réduit — Interrupteur FM DIVERSITY

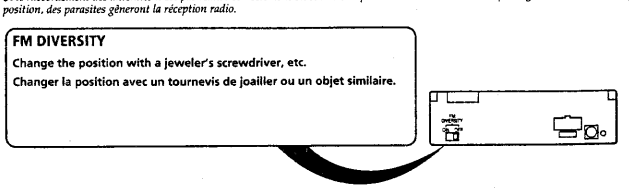
L'appareil peut être raccordé à une antenne à rayonnement zénithal réduit. Si vous utilisez cet appareil avec une antenne à rayonnement zénithal réduit, réglez le commutateur FM DIVERSITY situé à l'arrière de l'appareil sur la position ON de façon à activer le système de rayonnement zénithal réduit.

Si vous n'utilisez pas d'antennes à rayonnement zénithal réduit

Si vous souhaitez raccorder une simple antennetige, veillez à la brancher sur le connecteur d'antenne "MAIN", et réglez l'interrupteur FM DIVERSITY sur la position OFF. Ne raccordez jamais l'antenne au connecteur "SUB", sinon, si l'interrupteur est réglé sur ON, les signaux radio ne seront pas reçus correctement.

Remarque

Si le raccordement des antennes n'est pas réalisé correctement ou si l'interrupteur FM DIVERSITY n'est pas réglé sur la bonne position, des parasites gêneront la réception radio.


FM DIVERSITY
Change the position with a jeweler's screwdriver, etc.
Changer la position avec un tournevis de joailler ou un objet similaire.

Si vous changez la position de l'interrupteur, n'oubliez pas d'appuyer sur une des touches de réinitialisation après avoir terminé tous les raccordements.

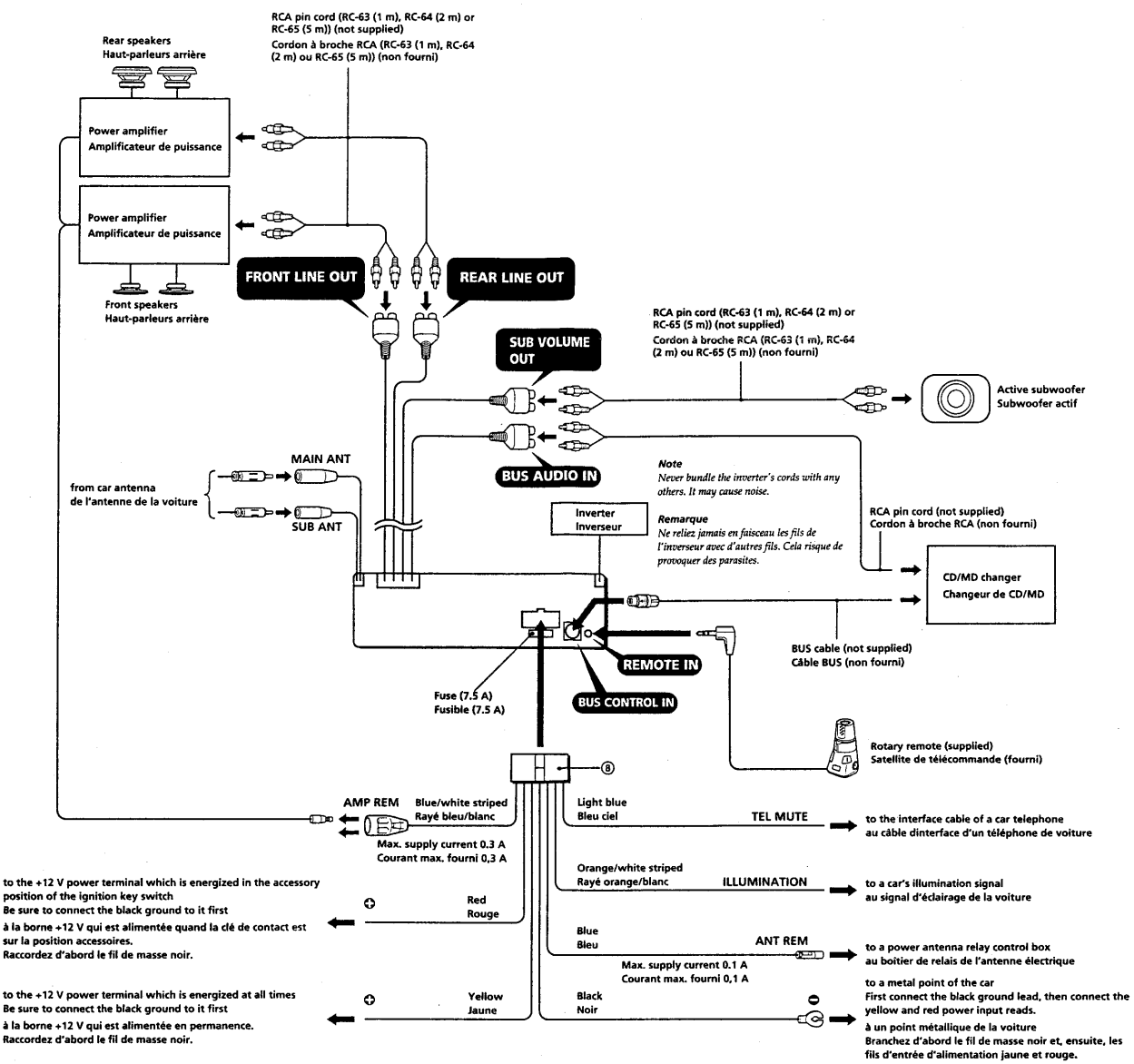
Installation du satellite de télécommande

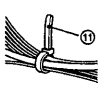
Remarques

- *Choisissez soigneusement l'endroit de montage afin que le satellite de télécommande n'interfère pas avec les commandes de la voiture.*
- *N'installez pas le satellite de télécommande dans un endroit qui risque de compromettre la sécurité du passager avant de quelque façon que ce soit.*
- *Lors de l'installation du satellite de télécommande, veillez à ne pas endommager les câbles électriques, etc., situés de l'autre côté de la surface de montage.*
- *Evitez d'installer le satellite de télécommande là où il risque d'être soumis à des températures élevées comme sous le rayonnement direct du soleil ou à côté d'une conduite de chauffage, etc.*

Connections Example

Connexions de l'exemple


RCA pin cord (RC-63 (1 m), RC-64 (2 m) or RC-65 (5 m)) (not supplied)
Cordon à broche RCA (RC-63 (1 m), RC-64 (2 m) ou RC-65 (5 m)) (non fourni)
Rear speakers
Haut-parleurs arrière
Power amplifier
Amplificateur de puissance
Power amplifier
Amplificateur de puissance
FRONT LINE OUT
REAR LINE OUT
Front speakers
Haut-parleurs arrière
SUB VOLUME OUT
RCA pin cord (RC-63 (1 m), RC-64 (2 m) or RC-65 (5 m)) (not supplied)
Cordon à broche RCA (RC-63 (1 m), RC-64 (2 m) ou RC-65 (5 m)) (non fourni)
Active subwoofer
Subwoofer actif
MAIN ANT
from car antenna
de l'antenne de la voiture
SUB ANT
BUS AUDIO IN
Note
Never bundle the inverter's cords with any others. It may cause noise.
Inverter
Inverseur
Remarque
Ne reliez jamais en faisceau les fils de l'inverseur avec d'autres fils. Cela risque de provoquer des parasites.
RCA pin cord (not supplied)
Cordon à broche RCA (non fourni)
CD/MD changer
Changeur de CD/MD
REMOTE IN
BUS cable (not supplied)
Câble BUS (non fourni)
Fuse (7.5 A)
Fusible (7.5 A)
BUS CONTROL IN
Rotary remote (supplied)
Satellite de télécommande (fourni)
AMP REM
Blue/white striped
Rayé bleu/blanc
Max. supply current 0.3 A
Courant max. fourni 0,3 A
Light blue
Bleu ciel
TEL MUTE
to the interface cable of a car telephone
au câble dinterface d'un téléphone de voiture
Orange/white striped
Rayé orange/blanc
ILLUMINATION
to a car's illumination signal
au signal d'éclairage de la voiture
to the +12 V power terminal which is energized in the accessory position of the ignition key switch
Be sure to connect the black ground to it first
à la borne +12 V qui est alimentée quand la clé de contact est sur la position accessoires.
Raccordez d'abord le fil de masse noir.
Red
Rouge
Blue
Bleu
ANT REM
to a power antenna relay control box
au boîtier de relais de l'antenne électrique
Max. supply current 0.1 A
Courant max. fourni 0,1 A
to the +12 V power terminal which is energized at all times
Be sure to connect the black ground to it first
à la borne +12 V qui est alimentée en permanence.
Raccordez d'abord le fil de masse noir.
Yellow
Jaune
Black
Noir
to a metal point of the car
First connect the black ground lead, then connect the yellow and red power input reads.
à un point métallique de la voiture
Branchez d'abord le fil de masse noir et, ensuite, les fils d'entrée d'alimentation jaune et rouge.



After connecting, bundle up the connecting cord of the rotary remote with other connecting cords of the audio equipment by attaching the supplied cramper ⑪. Be sure to leave some slack in the connecting cord between the plug and the cramper.

Une fois le raccordement terminé, réunissez le cordon de connexion du satellite aux autres cordons de connexion de l'équipement audio à l'aide de l'agrafe ⑪ fournie. Veillez à laisser un peu de jeu dans les cordons de connexion entre la fiche et l'agrafe.

Notes on the control leads

- *The power antenna control lead (blue) supplies +12 V DC when you turn on the tuner or when you activate the ATA (Automatic Tuner Activation) Function.*
- *A power antenna without relay box cannot be used with this unit.*

Memory hold connection

When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition key is turned off.

Remarques sur les fils de contrôle

- *Le fil de contrôle (bleu) de l'antenne électrique fournit un courant continu de +12 V quand le tuner est allumé ou quand la fonction ATA (Activation automatique du tuner) est mise en service.*
- *Une antenne électrique sans boîtier de relais ne peut pas être utilisée avec cet appareil.*

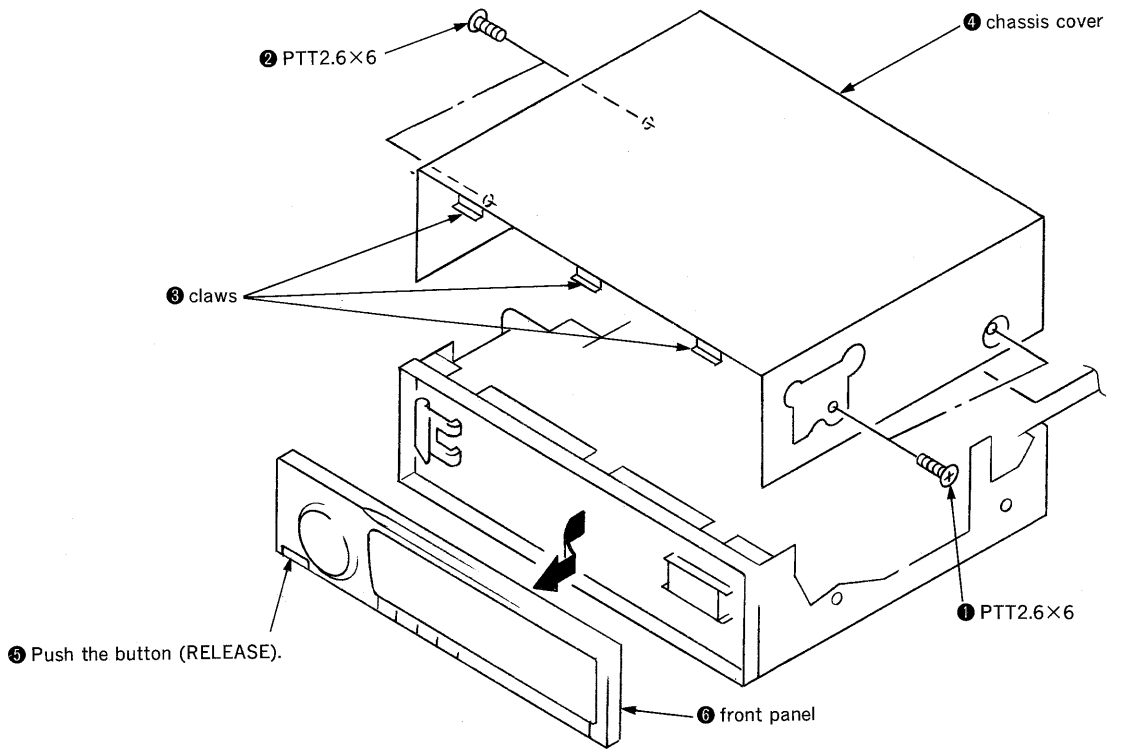
Connexion pour la conservation de la mémoire

Lorsque le fil d'entrée d'alimentation jaune est connecté, le circuit de la mémoire est alimenté en permanence même si la clé de contact est sur la position d'arrêt.

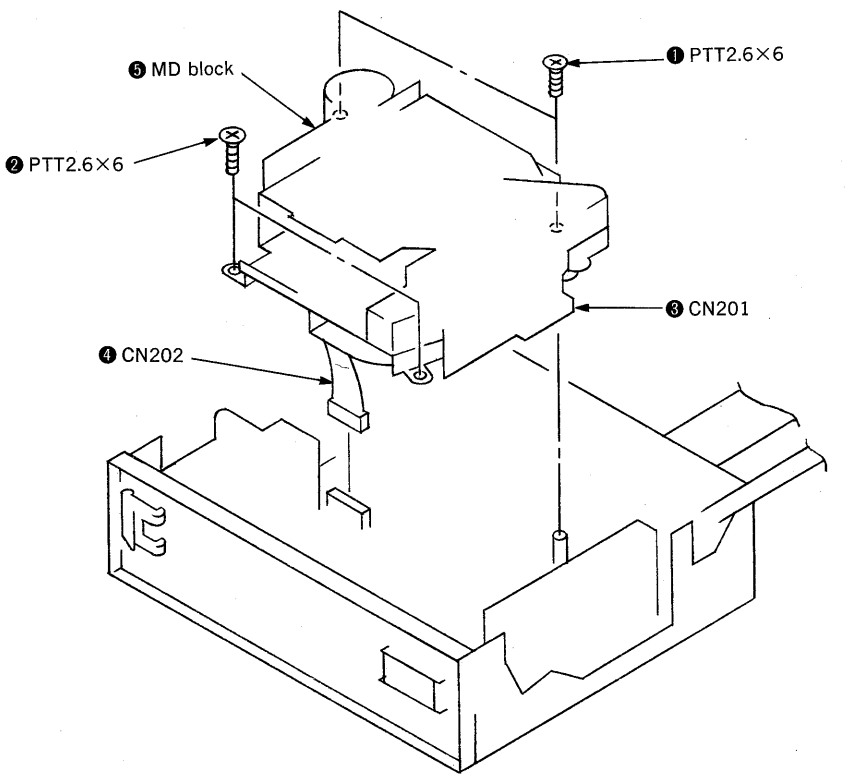
SECTION 2
DISASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

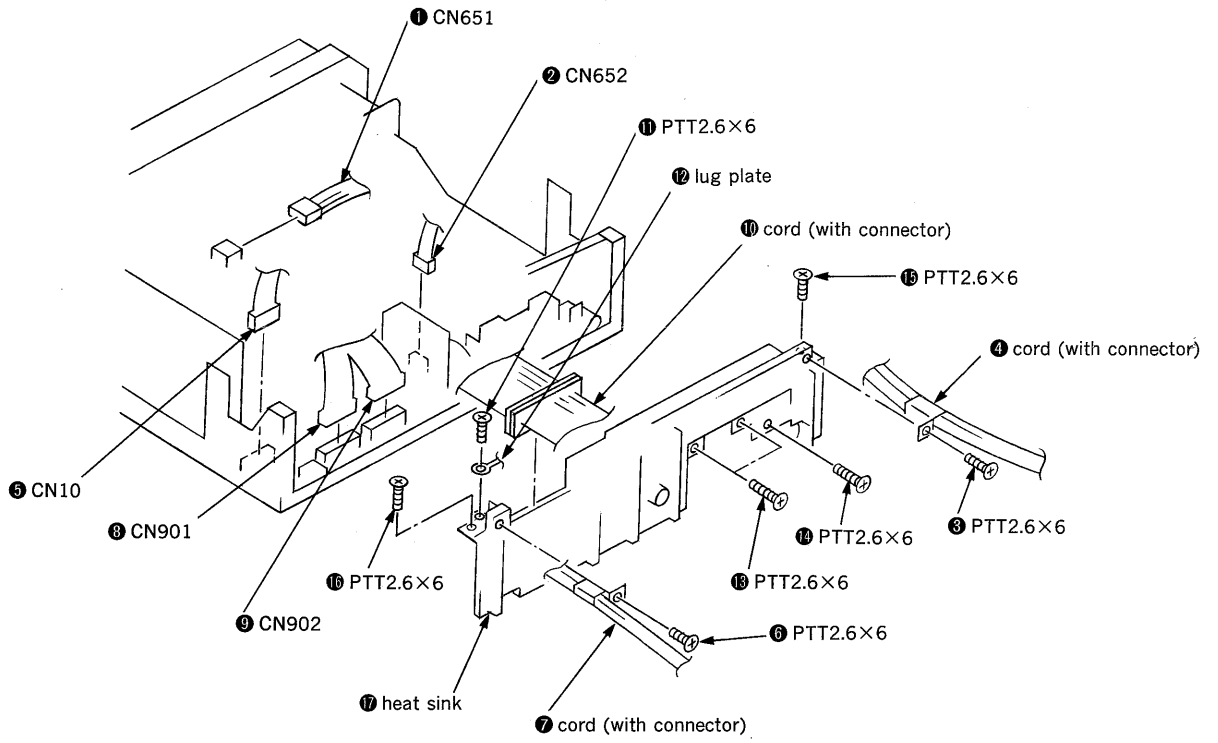
2-1. FRONT PANEL



2-2. MD BLOCK

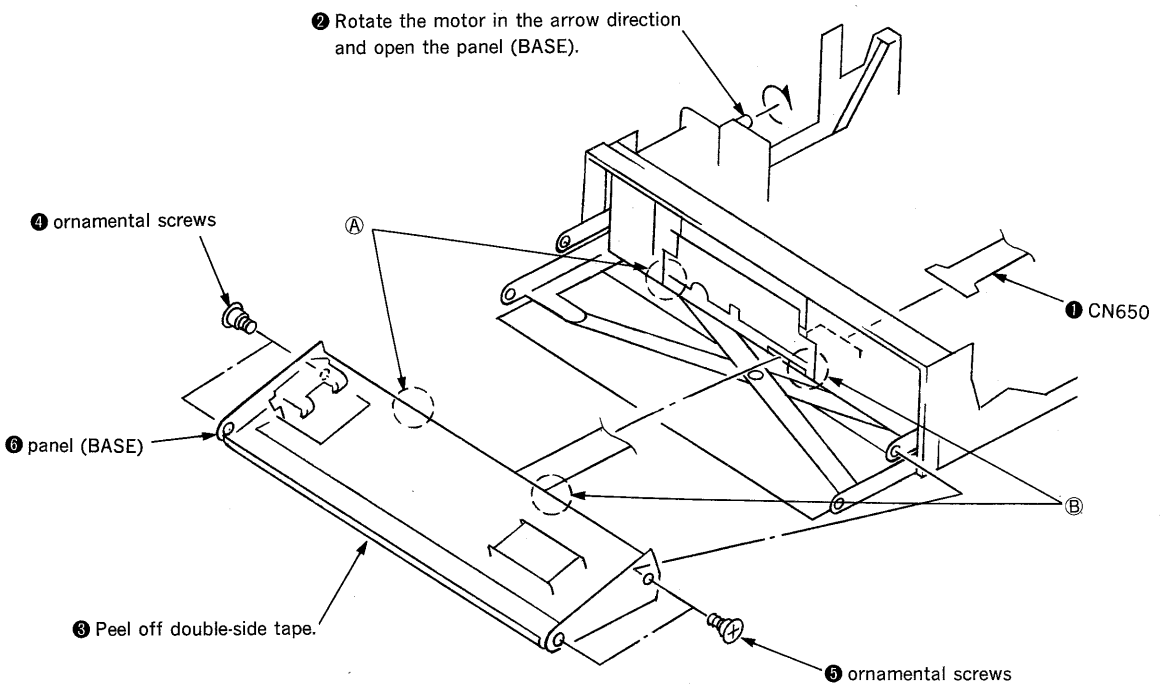


2-3. HEAT SINK

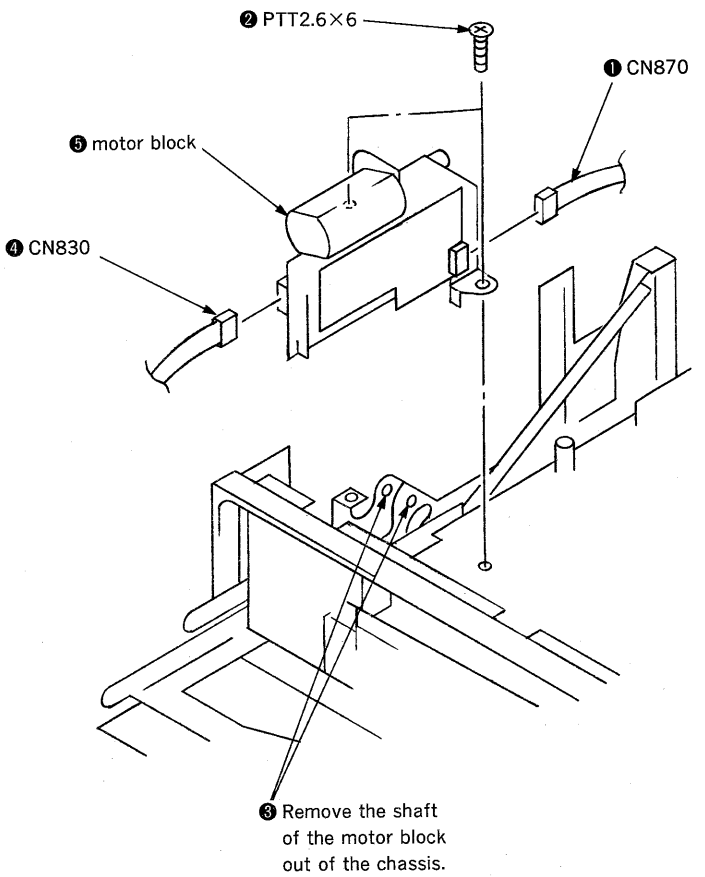


2-4. PANEL (BASE)

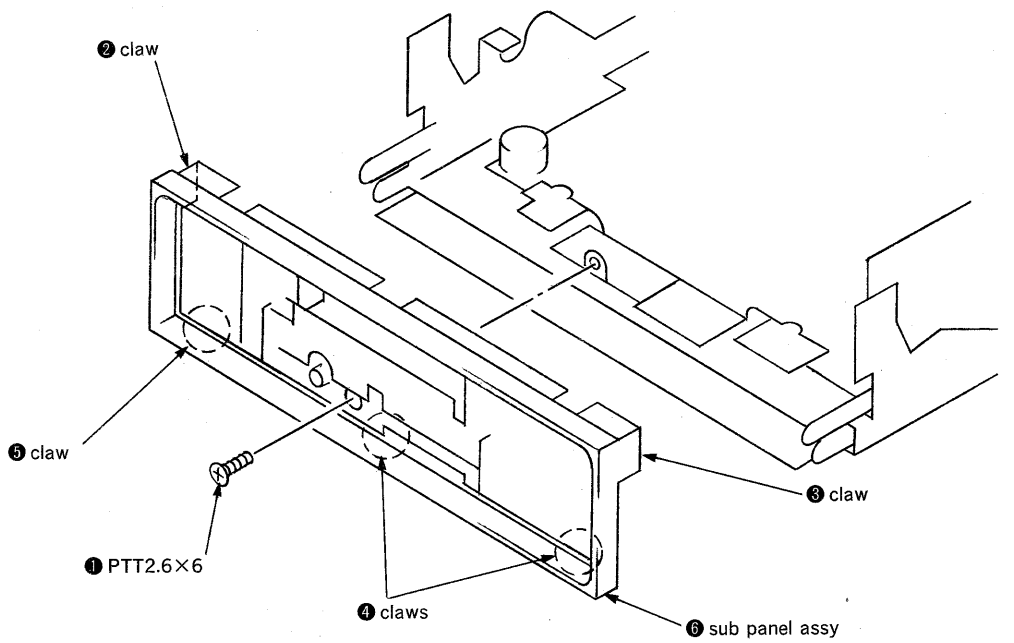
When installing, fit claw of
Ⓐ and Ⓑ parts respectively.



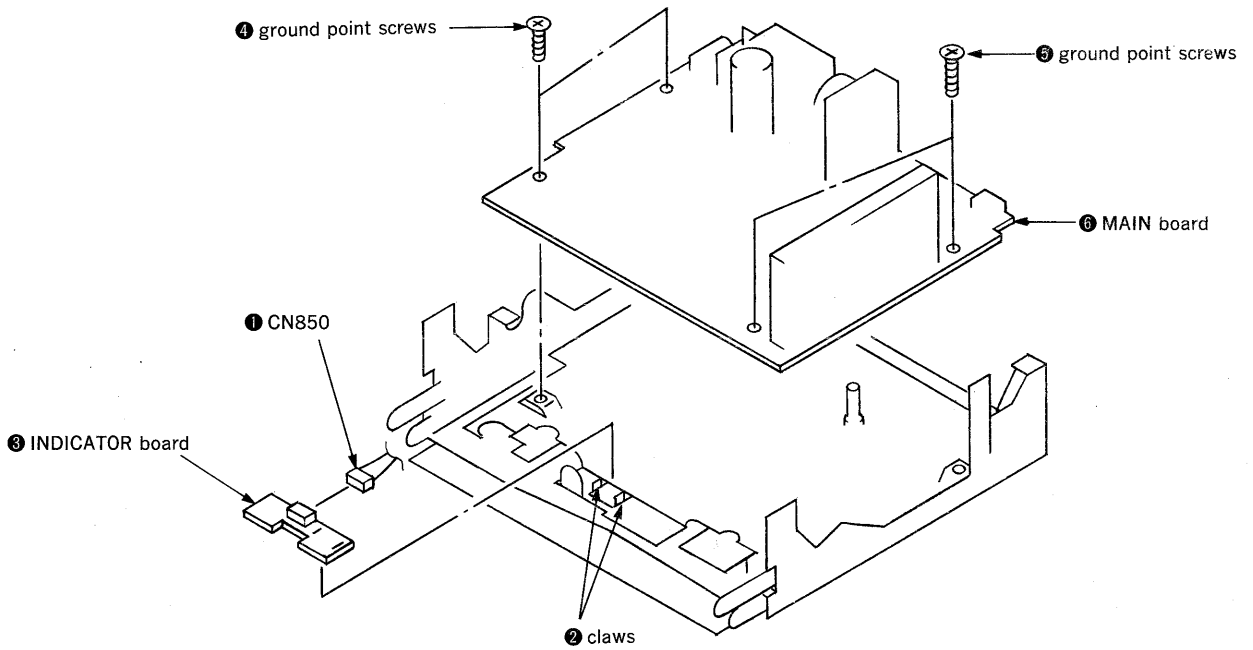
2-5. MOTOR BLOCK



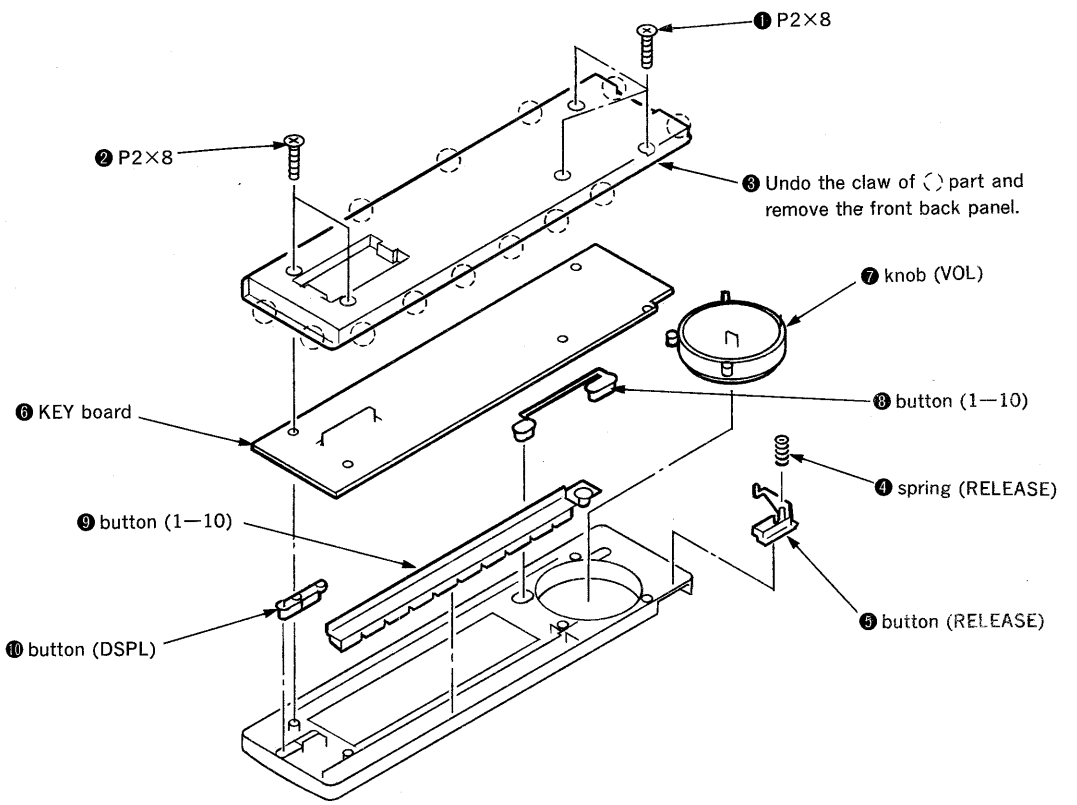
2-6. SUB PANEL



2-7. MAIN BOARD



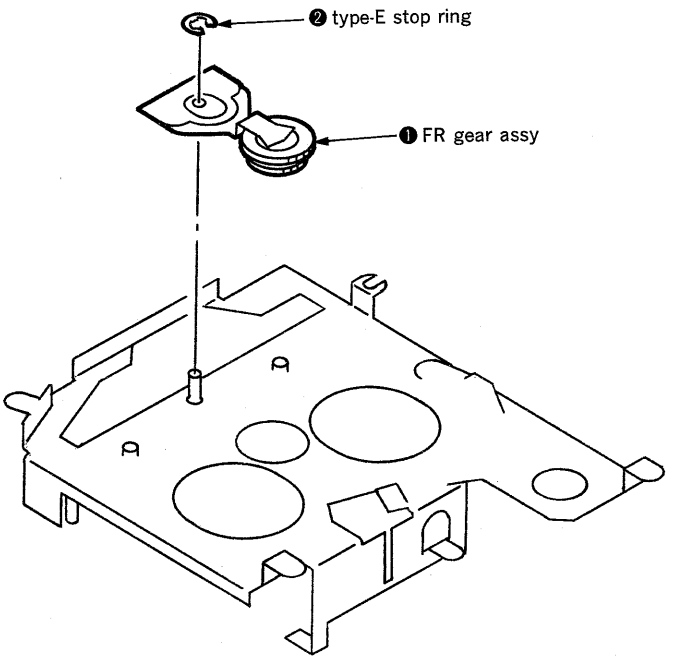
2-8. KEY BOARD



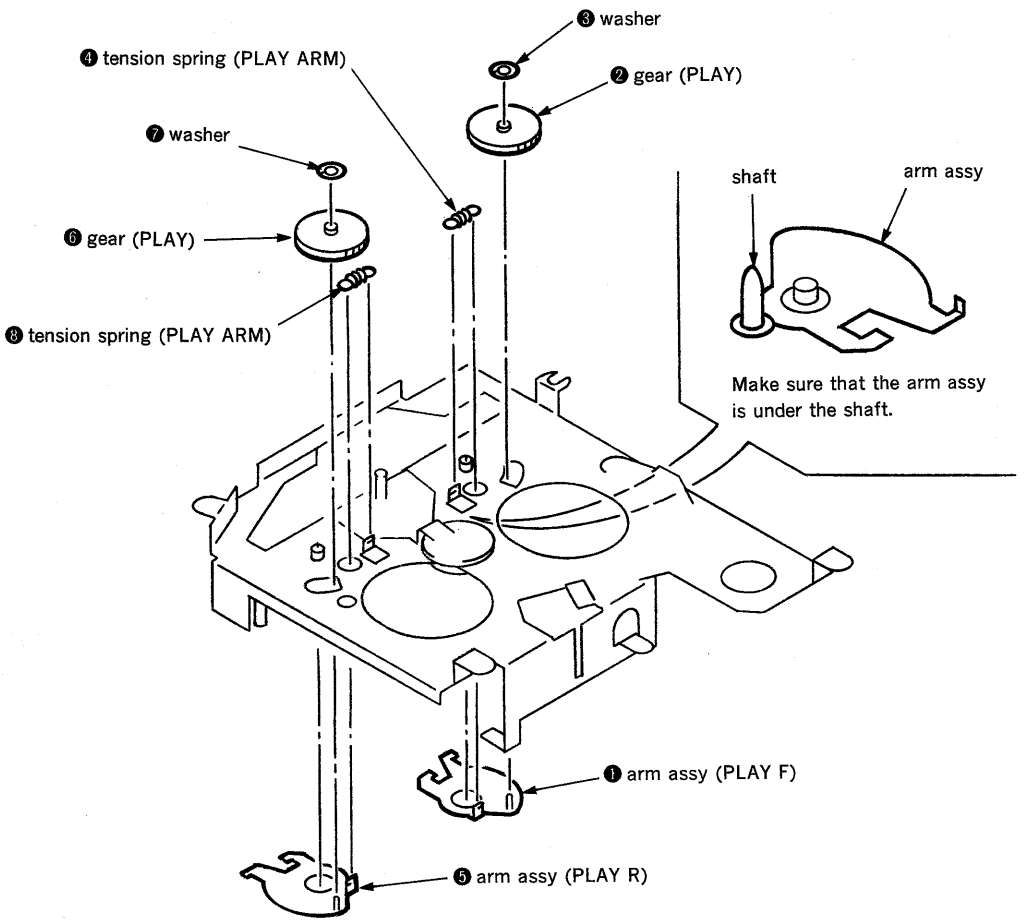
SECTION 3
ASSEMBLY OF MECHANISM DECK

Note : Follow the assembly procedure in the numerical order given.

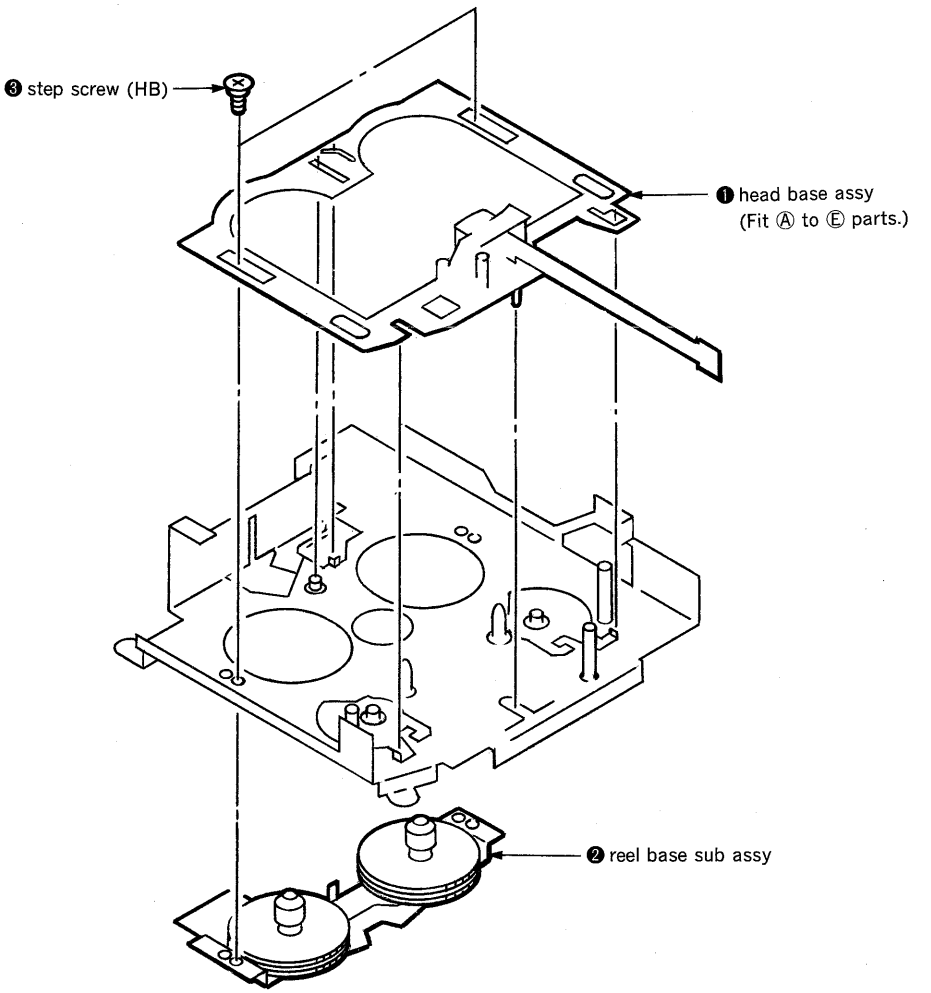
3-1. FR GEAR ASSY

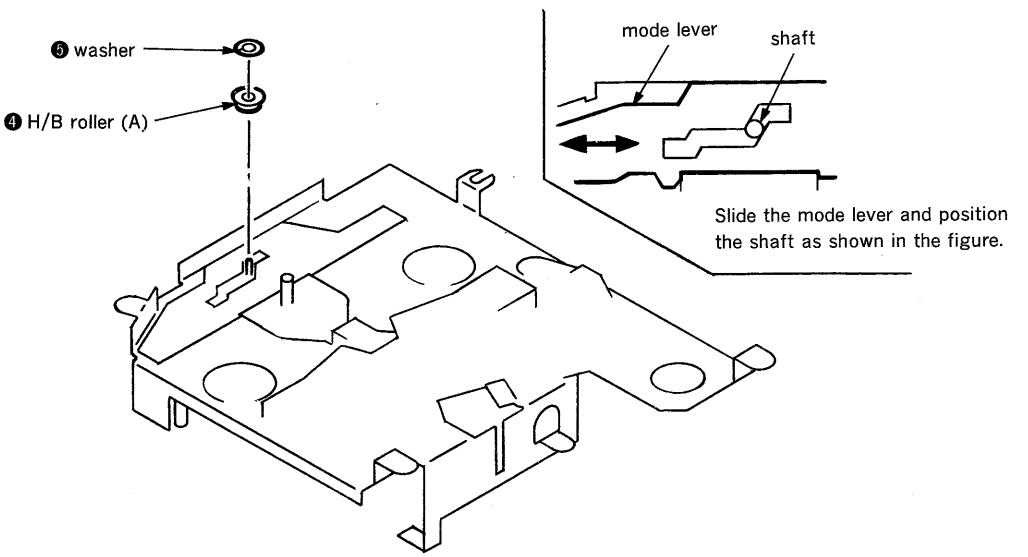


3-2. ARM ASSY

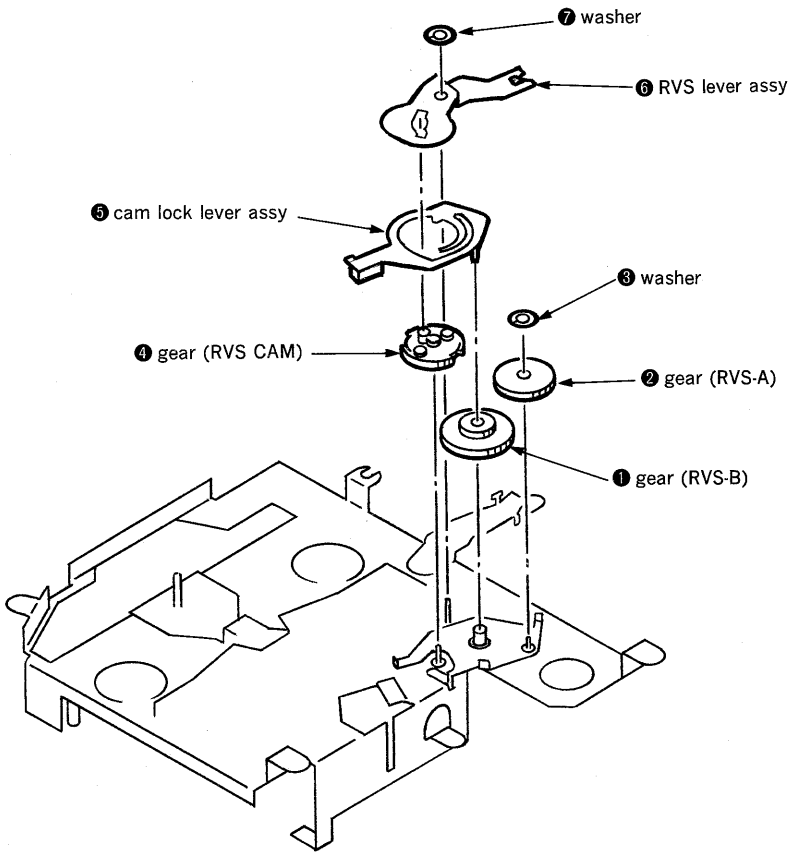


3-3. HEAD BASE ASSY

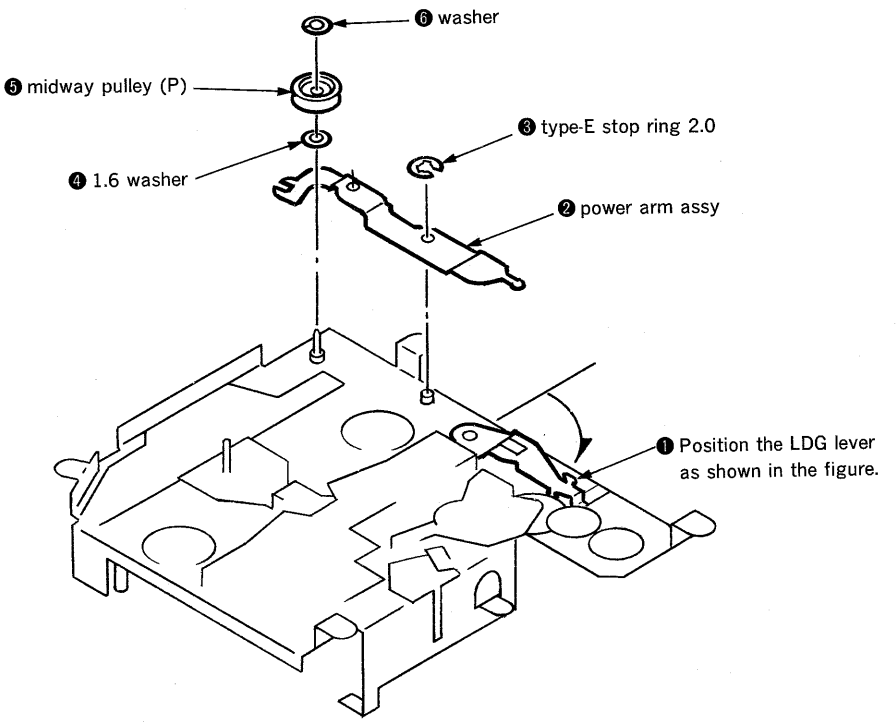




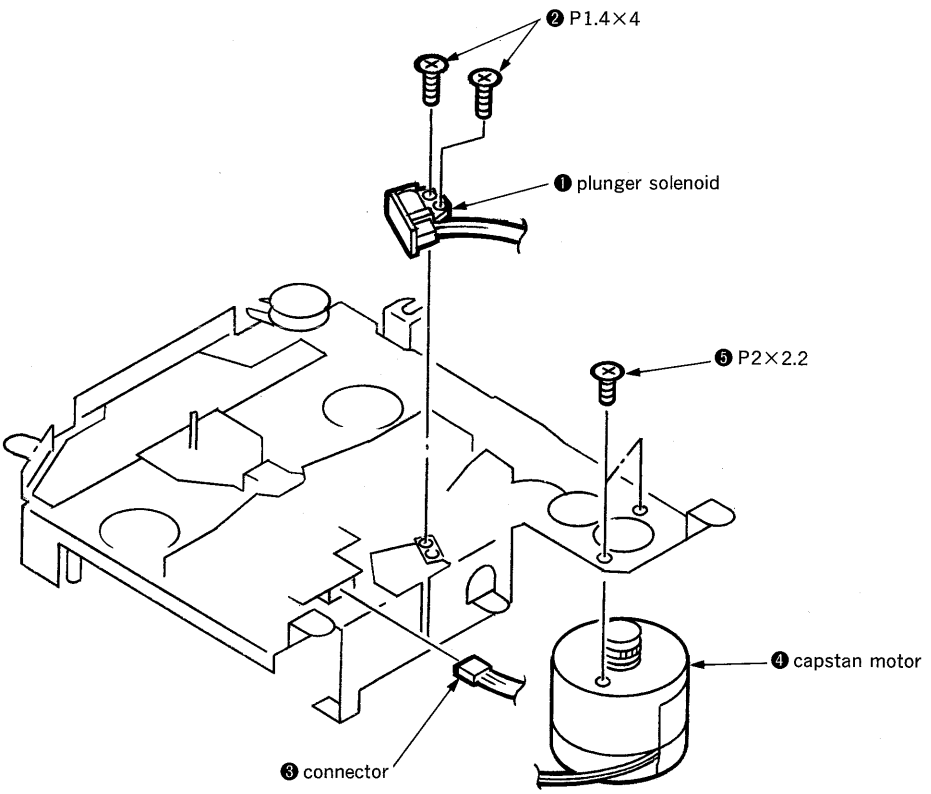
3-4. RVS LEVER ASSY



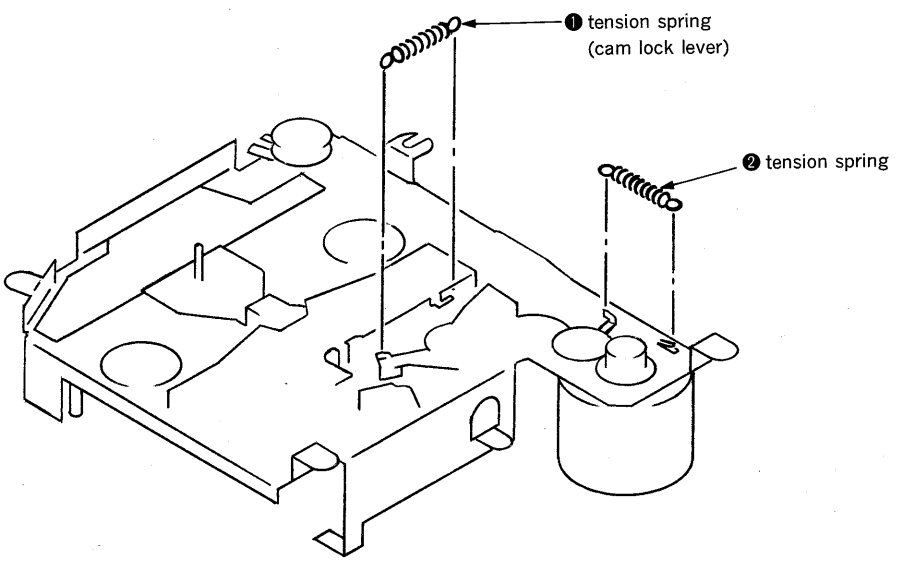
3-5. MIDWAY PULLEY (P)



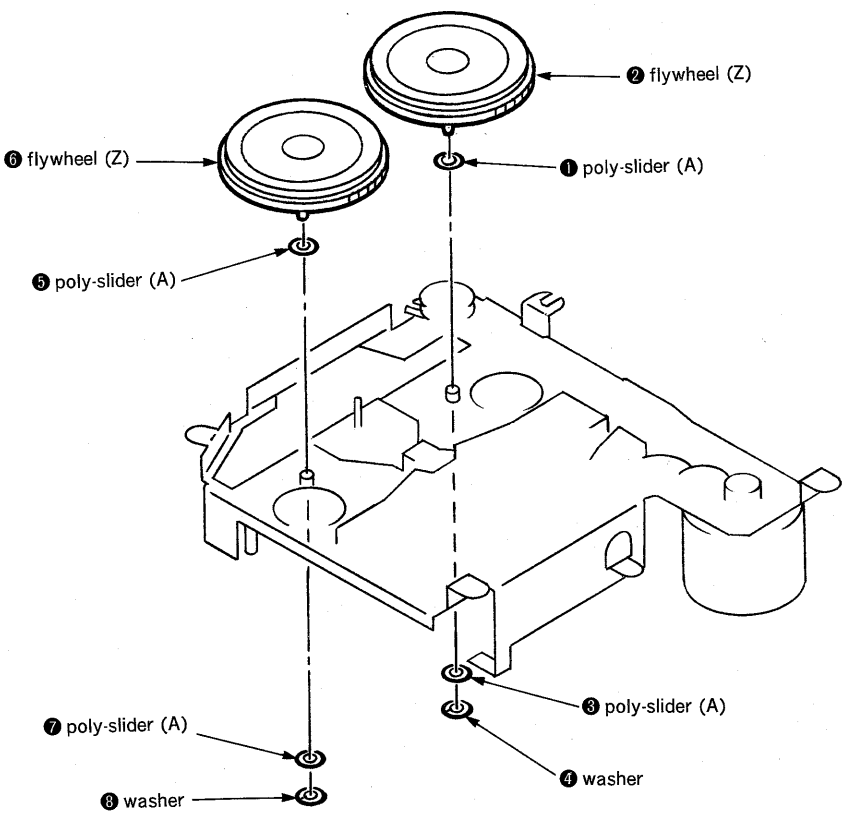
3-6. CAPSTAN MOTOR



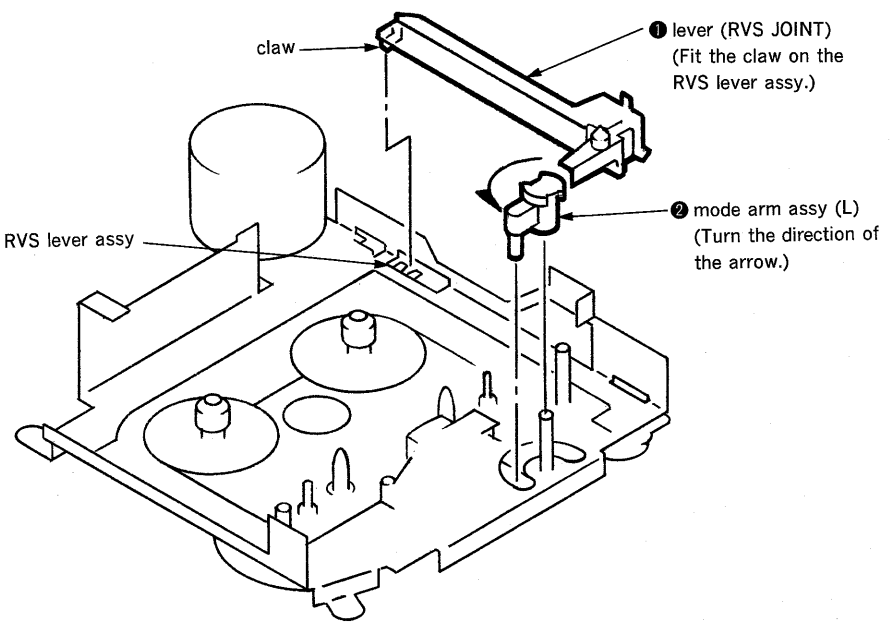
3-7. TENSION SPRING



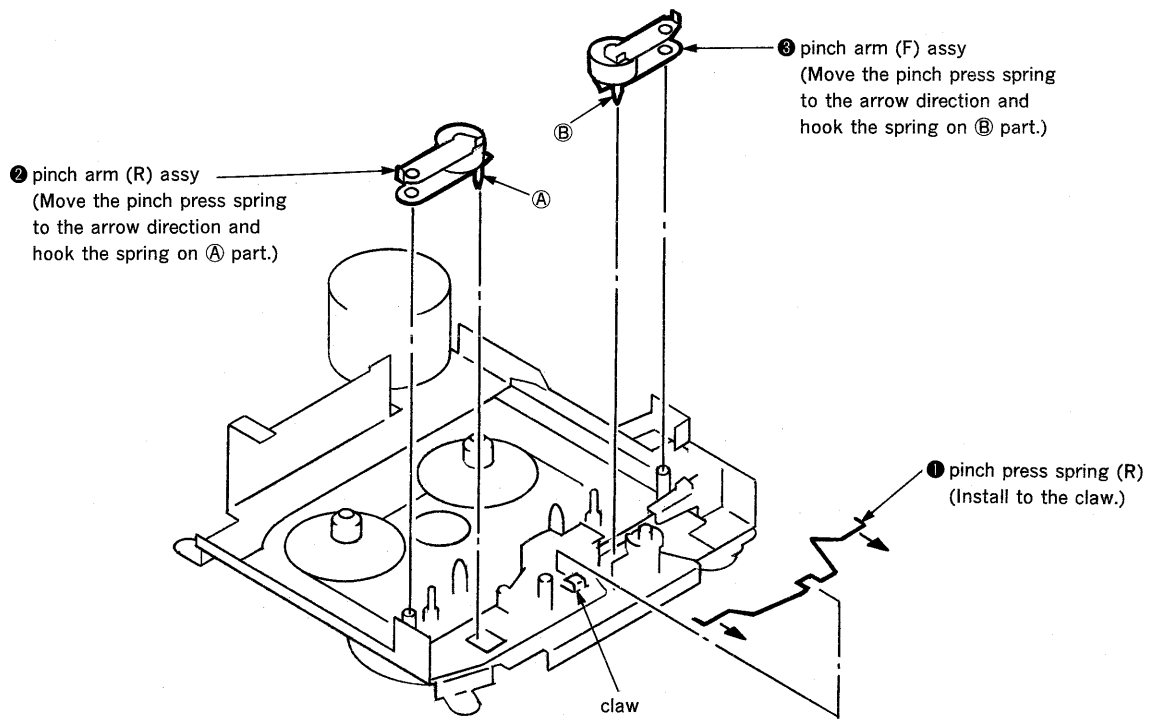
3-8. FLYWHEEL



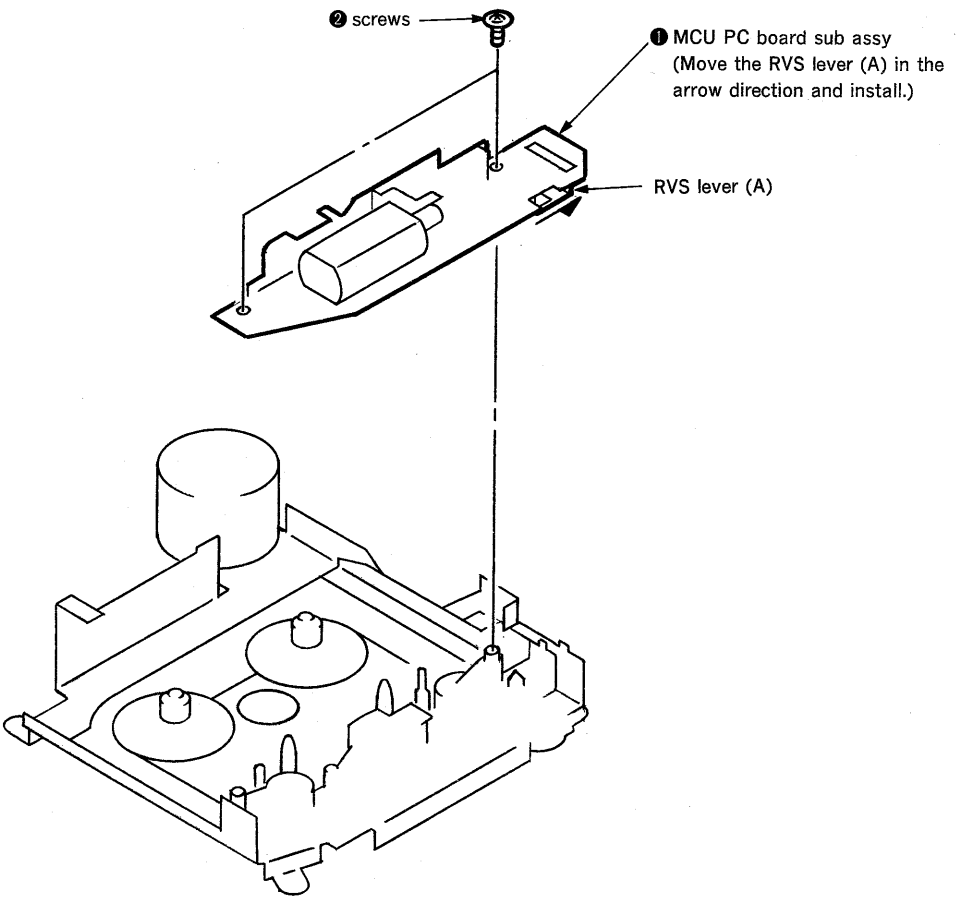
3-9. MODE ARM ASSY



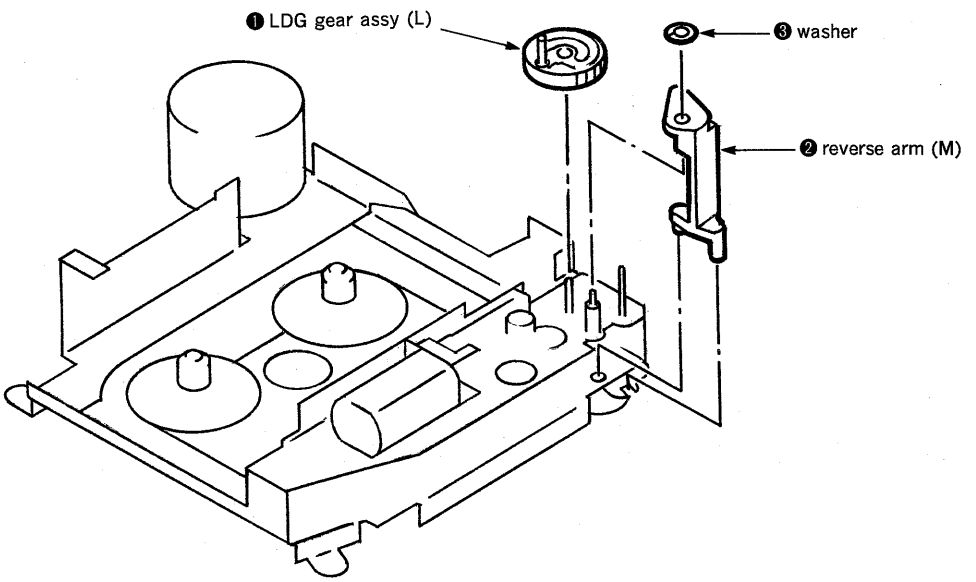
3-10. PINCH ARM ASSY


❸ pinch arm (F) assy
(Move the pinch press spring
to the arrow direction and
hook the spring on Ⓑ part.)
Ⓑ
❷ pinch arm (R) assy
(Move the pinch press spring
to the arrow direction and
hook the spring on Ⓐ part.)
Ⓐ
❶ pinch press spring (R)
(Install to the claw.)
claw

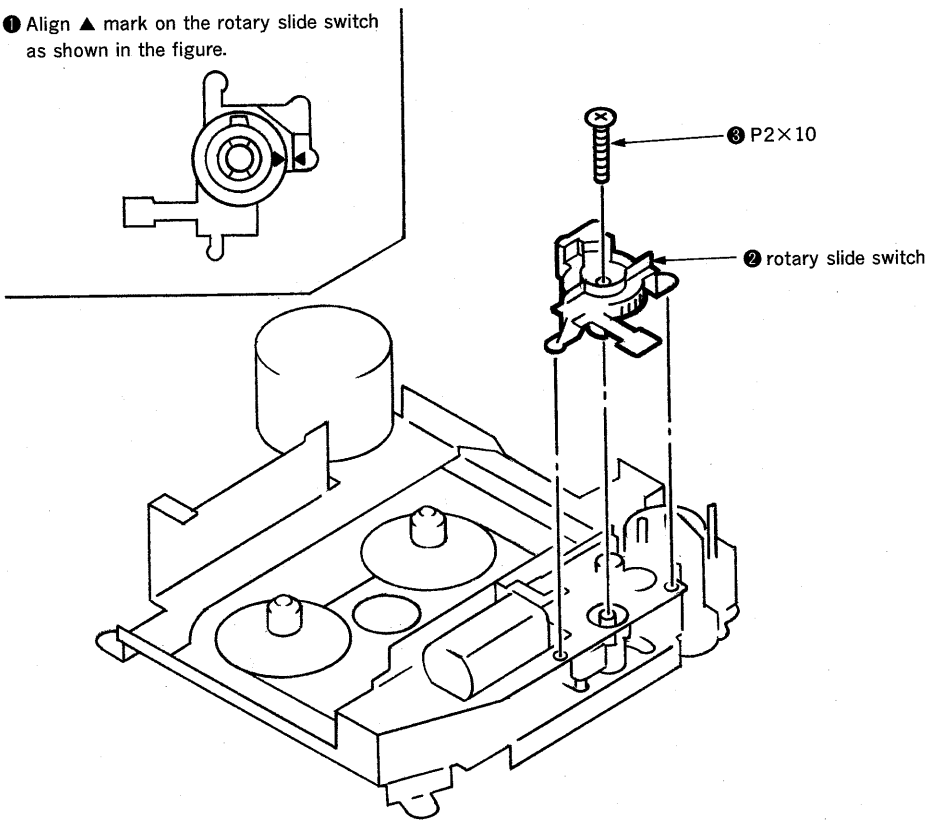
3-11. MCU PC BOARD SUB ASSY



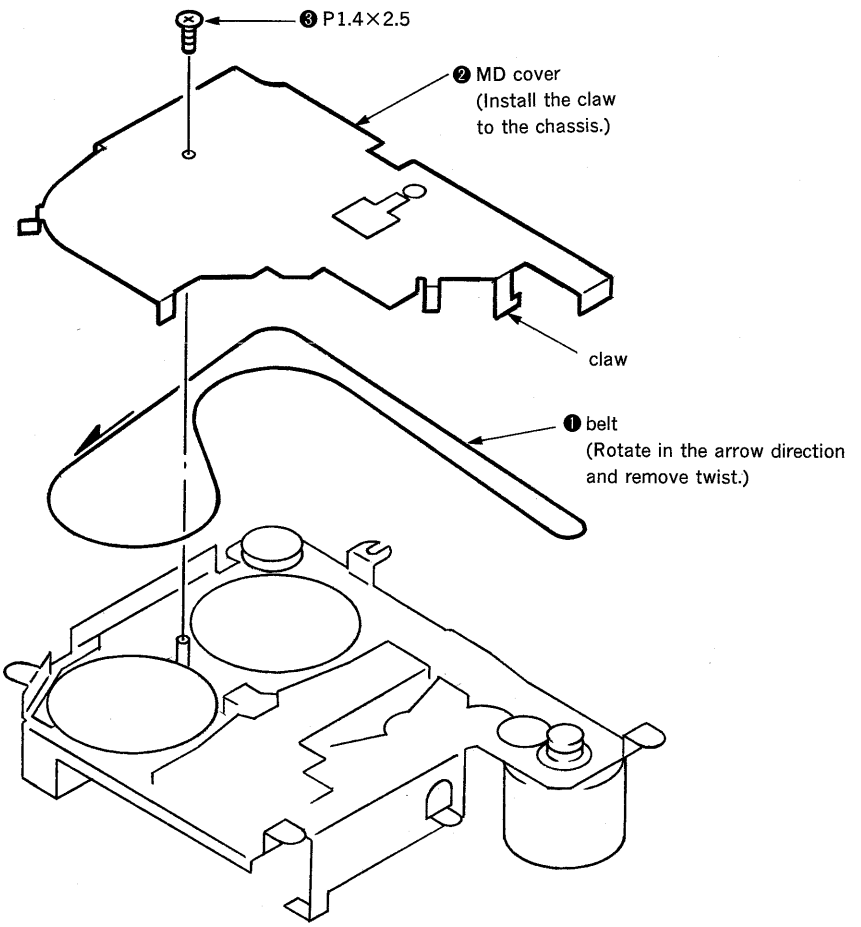
3-12. REVERSE ARM (M)



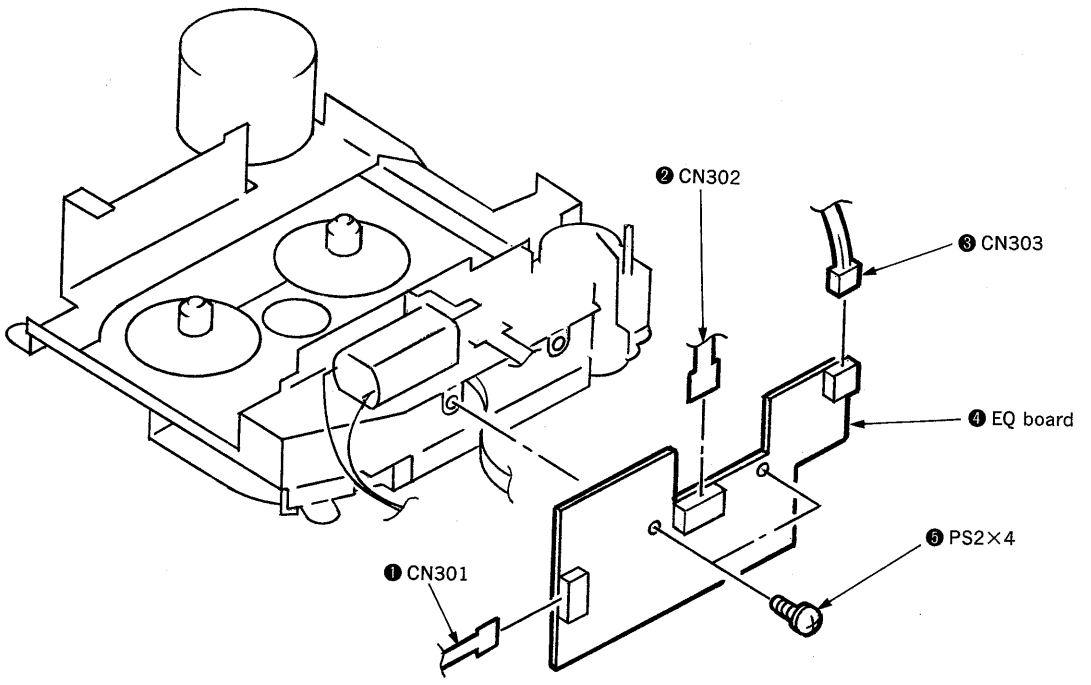
3-13. ROTARY SLIDE SWITCH



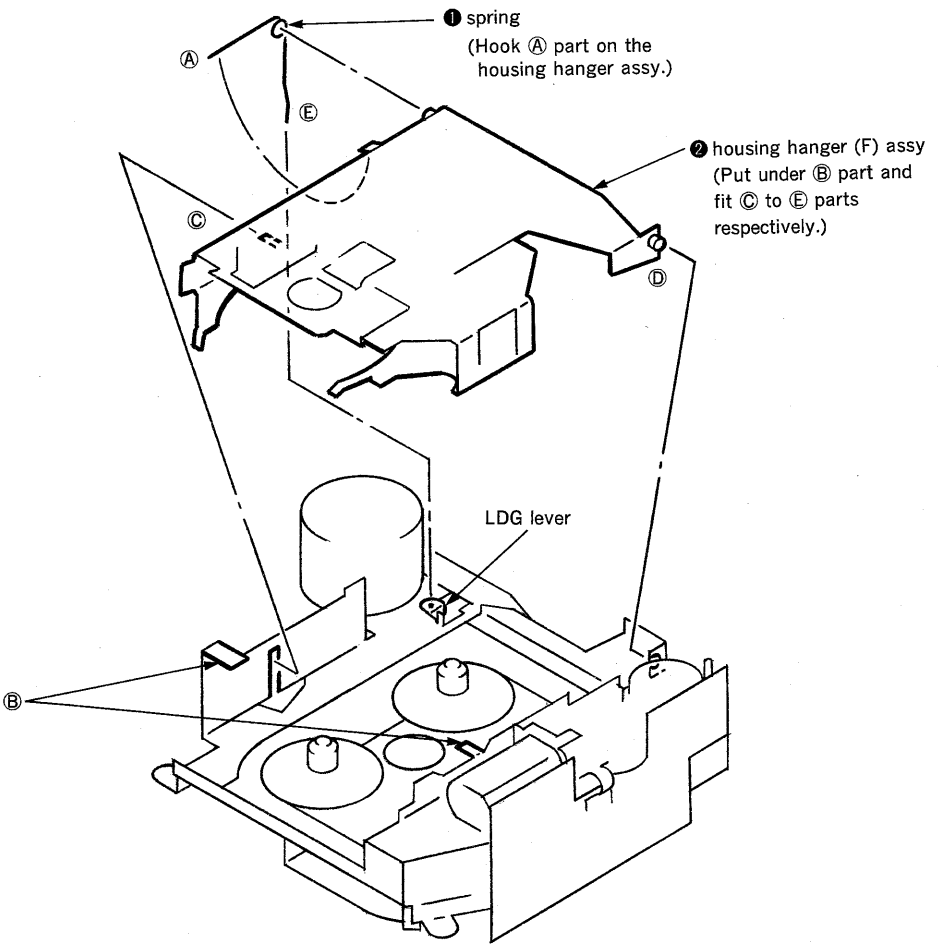
3-14. MD COVER



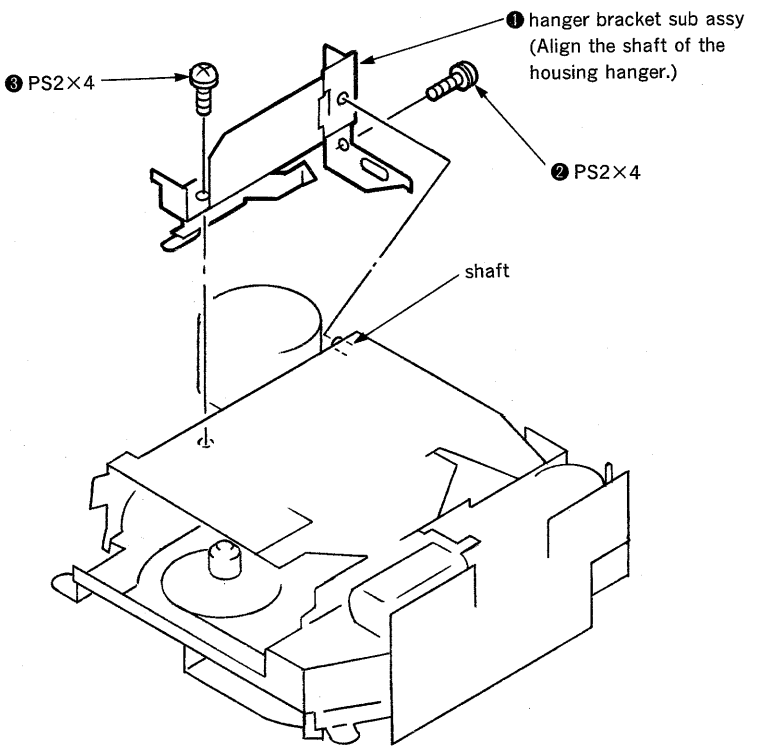
3-15. EQ BOARD



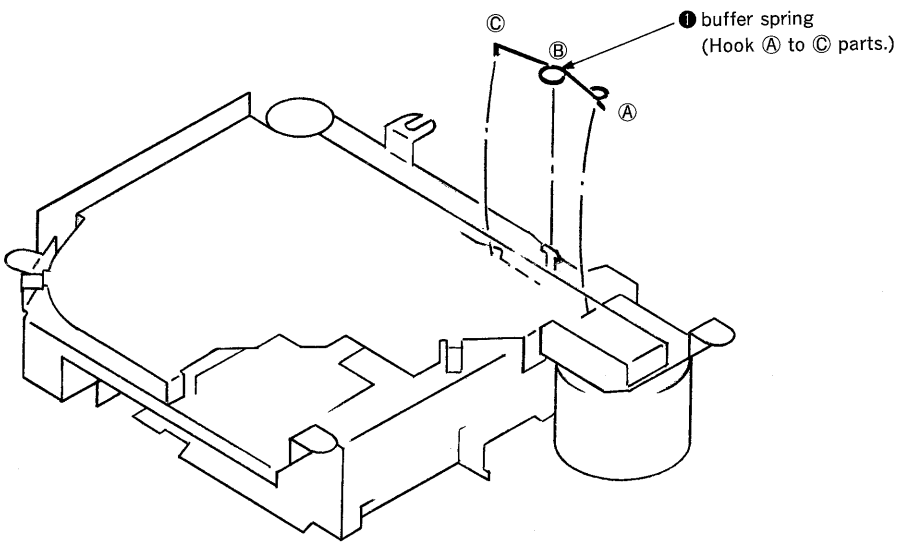
3-16. HOUSING HANGER



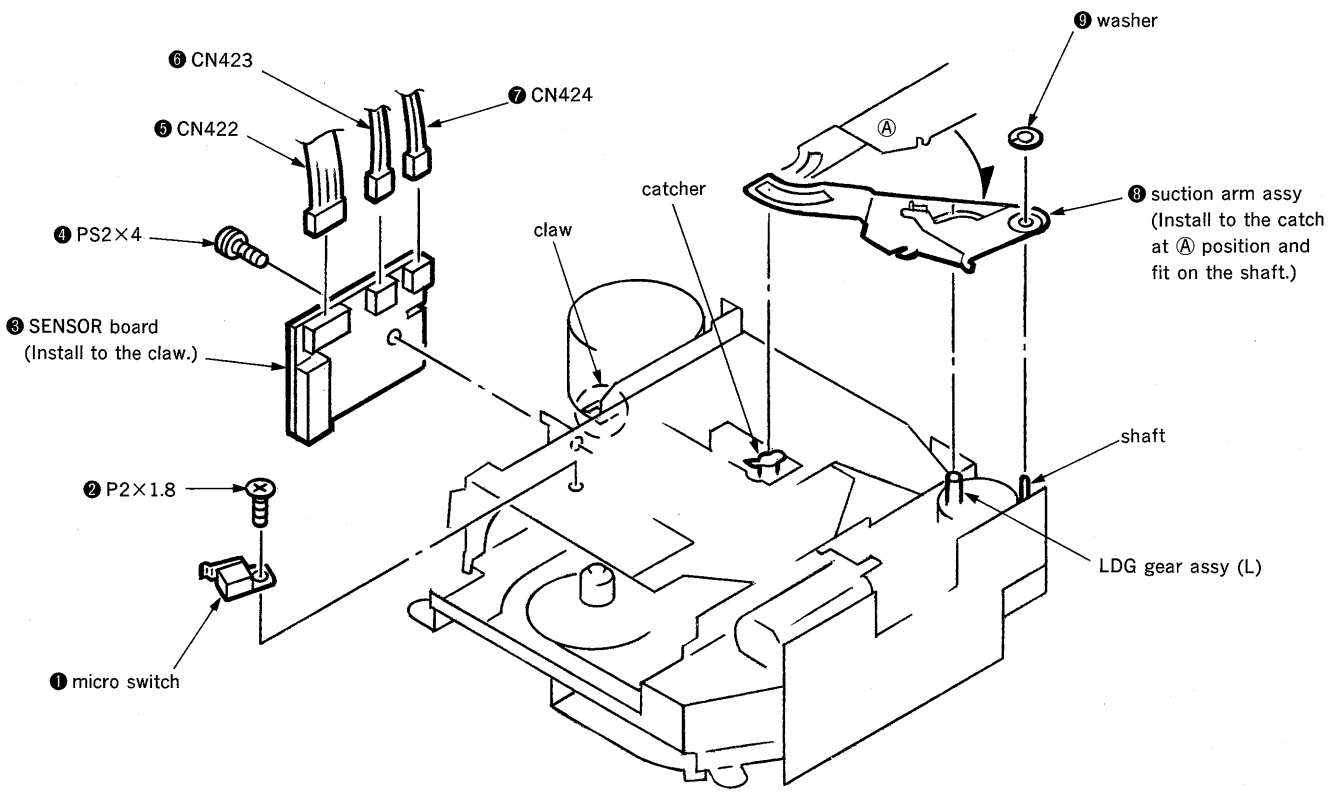
3-17. HANGER BRACKET SUB ASSY



3-18. BUFFER SPRING



3-19. SUCTION ARM ASSY



SECTION 4
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Wipe the following components with an absorbent cotton cloth moistened with alcohol before adjustment:
   PB head　　Pinch roller
   Idler　　Rubber belt
   Capstan
2. Demagnetize the PB head using a head demagnetizer.
3. Be careful not to use a magnetized screwdriver.
4. After the adjustment is completed, lock the adjustment parts using screws.
5. Unless otherwise specified, make adjustments at the specified voltage (14.4V).

Torque Measurement

Mode	Torque Meter	Meter Reading
FWD	CQ-102C	35−55g•cm (0.49−0.76 oz•inch)
FWD Back Tension		1.5−4.5g•cm (0.02−0.06 oz•inch)
REV	CQ-102RC	35−55g•cm (0.49−0.76 oz•inch)
REV Back Tension		1.5−4.5g•cm (0.02−0.06 oz•inch)
FF, REW	CQ-201B	80−170g•cm (1.11−2.36 oz•inch)

Tape Tension Measurement

Mode	Tension Meter	Meter Reading
FWD	CQ-403A	more than 100g (more than 3.53 oz)
REV	CQ-403R	

SECTION 5
ELECTRICAL ADJUSTMENTS

TEST MODE

This set have the test mode function. In the test mode, FM Auto Scan/Stop Level and AM Auto Scan/Stop Level adjustments can be performed easier than it in ordinary procedure.

〈Set the Test Mode〉

1. Set the "OFF" mode.
2. Push the preset [4] button.
3. Push the preset [5] button.
4. Press the preset [1] button for more than two seconds.
5. Then the display indicates all lights, the test mode is set.

〈Release the Test Mode〉

1. Push the "OFF" button.

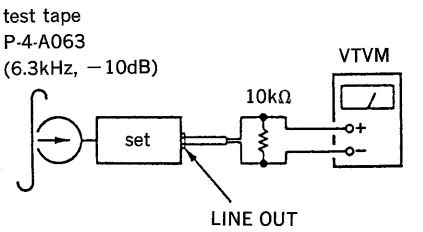
See the adjustment location from on page 33 for the adjustment.

DECK SECTION　**0dB=0.775V**

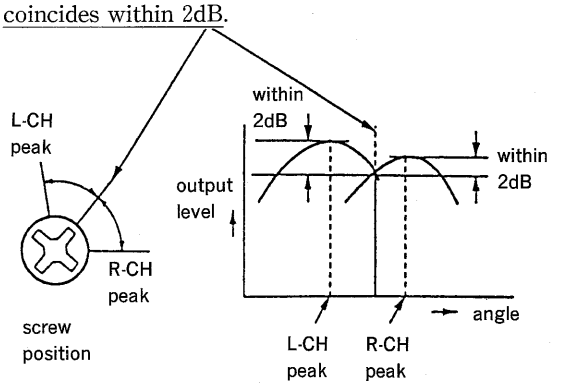
PB Head Azimuth Adjustment

Procedure:

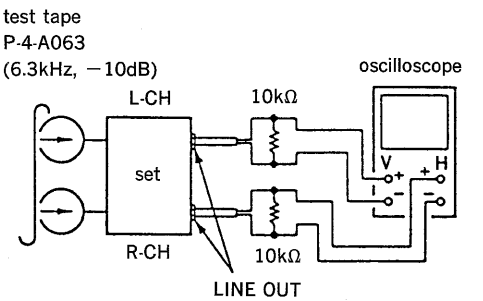
1. Put the set into the FWD PB mode.

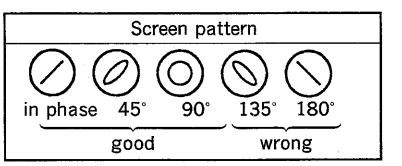


2. Turn the screw and check the output peak value. Adjust the screw so that the peak value in channels L and R coincides within 2dB.



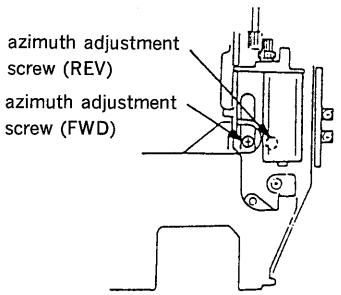
3. Check the phase in the PB mode.





4. Repeat the above adjustment for the REV PB mode.

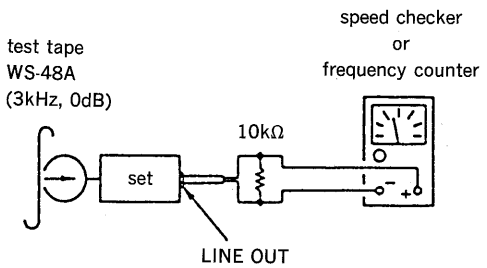
Adjustment Location : PB head



Tape Speed Adjustment

Procedure :

1. Put the set into the FWD PB mode.



Specification : Constant speed

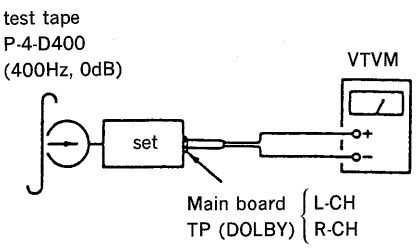
Speed checker	Frequency counter
−1.5 to +2.5%	2,955 to 3,075Hz

Adjustment Location : See page 33.

DOLBY Level Adjustment

Setting :

SHIFT button	: ON (light up SET UP and P. MODE)
Preset [3] (P. MODE) button	: NR off
SOUND (SUB) button	: 63 (Maximum)
SOUND (BAS) button	: Center
SOUND (TRE) button	: Center
SOUND (BAL) button	: Center
SOUND (FAD) button	: Center
SOUND (VOL) button	: 63 (Maximum)



Procedure :

1. Put the set into the FWD PB mode.
2. Adjust RV301 (L-CH) and RV401 (R-CH) so that VTVM reading is −6±1 dB (0.35 to 0.43V).

Adjustment Location : See page 33.

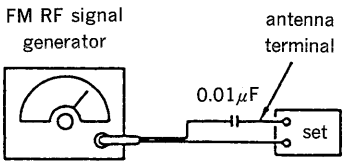
TUNER SECTION | 0dB=1μV

Cautions during repair
When the tuner unit is defective, replace it by a new one because its internal block is difficult to repair.

FM Auto Scan/Stop Level Adjustment

Setting :

SOURCE button : FM
FREQUENCY SELECT switch (E model) : FM 50K

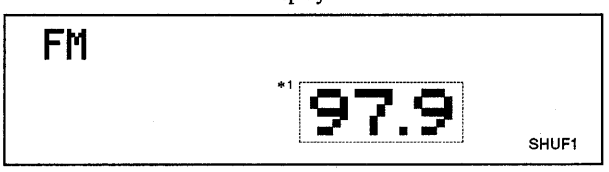


Carrier frequency	: 97.9MHz (US, Canadian model) 98.0MHz (E model)
Output level	: 22dB (12.6μV)
Mode	: mono
Modulation	: 1kHz, 22.5kHz deviation (30%)

Procedure :

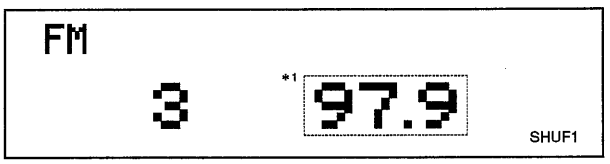
1. Set to the test mode. (See page 30.)
2. Push the [SOURCE] button and set to FM.

Display



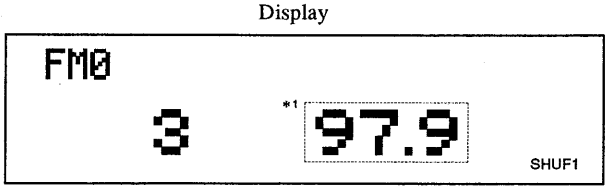
3. Push the preset [3] button.

Display



4. Adjust with the volume RV2 on TU10 so that the "FM" indication turns to "FM0" indication on the display window.
   But, in case of already indicated "FM0", turn the RV2 so that put out light "0" indication and adjustment.

Display



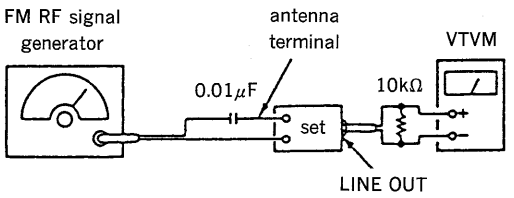
* 1 : E model are indicates "98.0".

Adjustment Location : See page 33.

FM Stereo Separation Adjustment

Setting :

SOURCE button : FM
FREQUENCY SELECT switch (E model) : FM 50K



Carrier frequency : 97.9MHz (US, Canadian model)
98.0MHz (E model)
Output level : 70dB (3.2mV)
Mode : stereo
Modulation : main : 1kHz, 33.75kHz deviation (45%)
sub : 1kHz, 33.75kHz deviation (45%)
19kHz pilot : 7.5kHz deviation (10%)

Procedure :

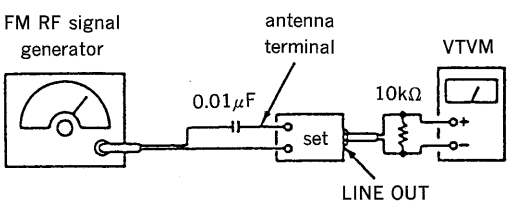
FM stereo signal generator output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RV4 on TU10 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RV4 on TU10 for minimum reading.

L-CH Stereo separation : Ⓐ−Ⓑ
R-CH Stereo separation : Ⓒ−Ⓓ
The separations of both channels should be equal.

FM Noise Focus Adjustment

Setting :

SOURCE button : FM
FREQUENCY SELECT switch (E model) : FM 50K



Carrier frequency : 97.9MHz (US, Canadian model)
98.0MHz (E model)
Output level : 60dB (1mV)
Mode : stereo
Modulation : 1kHz, 75kHz deviation (100%)

Procedure :

1. Tune the 97.9MHz.
2. The then output level is supposing that (A) dB.
3. Adjust with the volume RV3 on TU10 so that the output level is (A)−32±2dB then signal generator input set to −20dB.

Adjustment Location : See page 33.

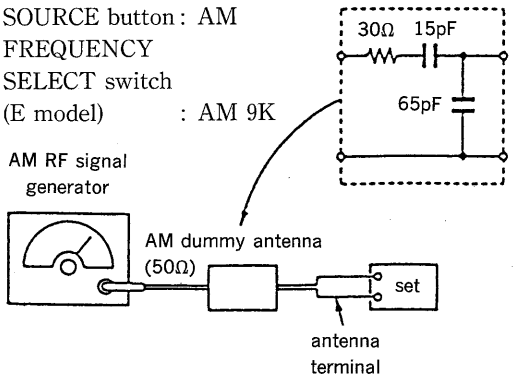
Specification : Separation more than 30dB

Adjustment Location : See page 33.

AM Auto Scan/Stop Level Adjustment

Setting :

SOURCE button : AM
FREQUENCY SELECT switch (E model) : AM 9K

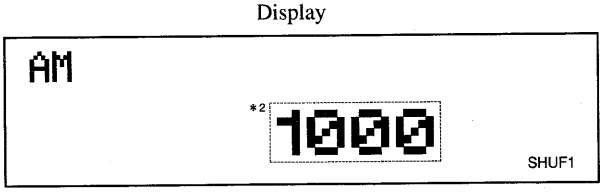


Carrier frequency : 1000kHz (US, Canadian model)
999kHz (E model)
30% amplitude modulation by 1kHz signal
Output level : 33dB (44.7μV)

Procedure :

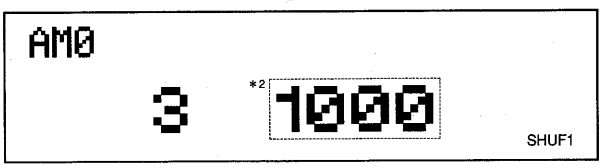
1. Set to the test mode. (See page 30.)
2. Push the SOURCE button and set to AM.

Display



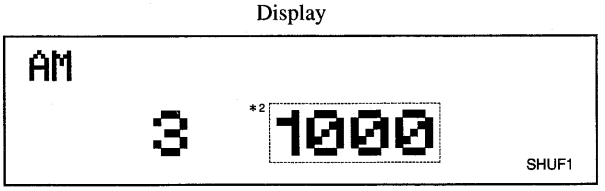
3. Push the preset 3 button.

Display



4. Adjust with the volume RV1 on TU10 so that the "AM" indication turns to "AM0" indication on the display window.
But, in case of already indicated "AM0", turn the RV1 so that put out light "0" indication and adjustment.

Display

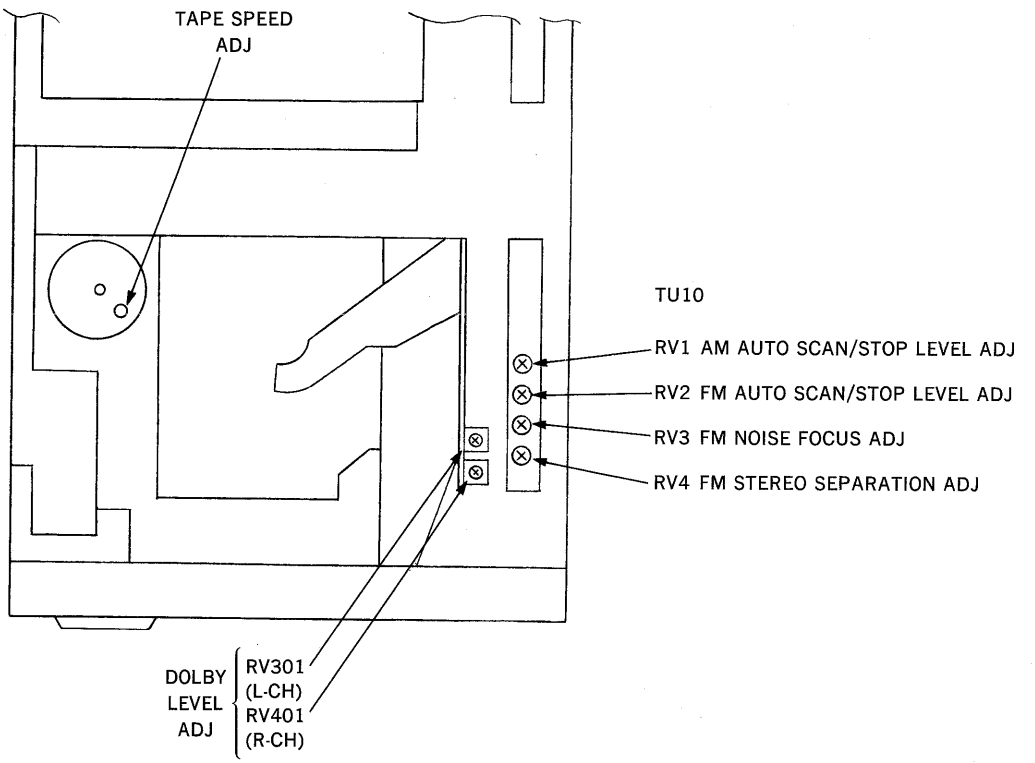


* 2 : E model are indicates "999".

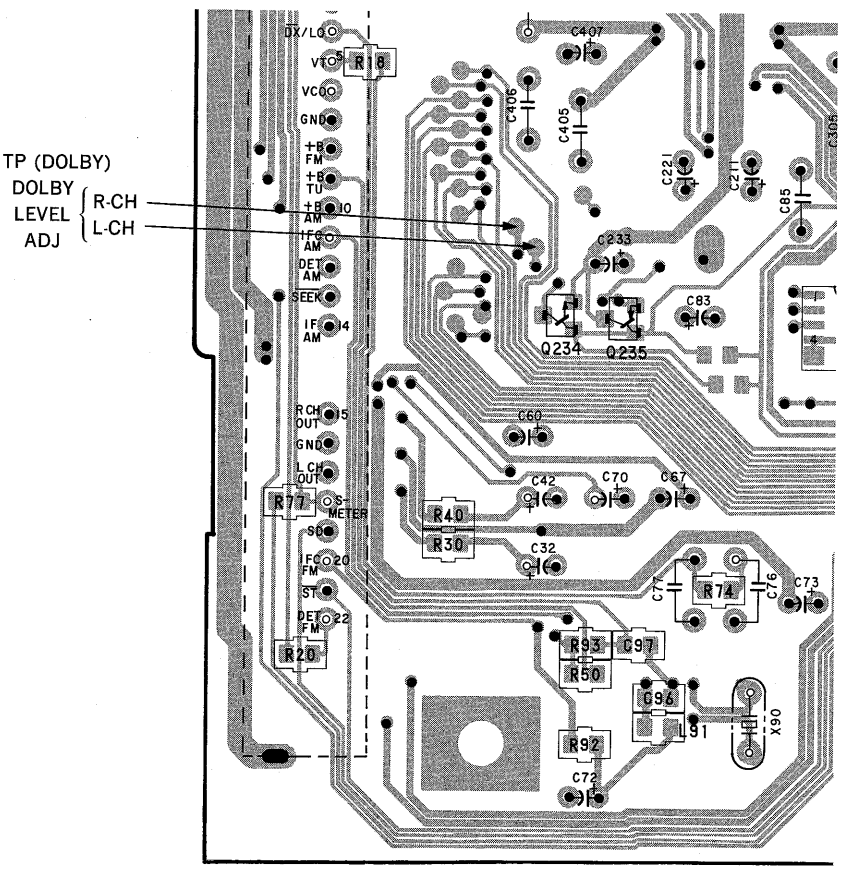
Adjustment Location : See page 33.

Adjustment Location :

—SET UPPER VIEW—



—Main board (side B)—



SECTION 6
DIAGRAMS

6-1. IC PIN DESCRIPTIONS

• IC501 μPD78078GF-030-3BA (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Pin Description
1	VOLCE	O	Electric volume serial chip enable output
2	VOLCKO	O	Electric volume serial clock output
3	VOLSO	O	Electric volume serial data output
4	SUBCE	O	Sub volume serial chip enable output
5	SUBCKO	O	Sub volume serial clock output
6	SUBSO	O	Sub volume serial data output
7	$\overline{\text{EQSEL}}$	I	First setting for with/without of equalizer connection.
8	RAMBU	I	Reset detection input of RAM.
9	GND	—	GND
10	X OUT	—	Main system clock oscillator output (5MHz)
11	X IN	—	Main system clock oscillator input (5MHz)
12	VDD	—	Power supply terminal
13	XT OUT	—	Sub crystal oscillator output (32.768kHz)
14	XT IN	—	Sub crystal oscillator input (32.768kHz)
15	$\overline{\text{RESET}}$	—	Reset input
16	SIRCS	I	Remote commander signal input
17	BU IN	I	Back-up power detection input
18	KEYACK	I	Key input acknowledge
19	PW SEL	I	Power select first setting
20	$\overline{\text{ACCIN}}$	I	Accessory power detection input
21	$\overline{\text{TELMUT}}$	I	Telephone mute detection input
22	$\overline{\text{NOSESW}}$	I	Mounting detection input of front panel.
23	AVDD	—	Power supply terminal of A/D converter.
24	AVREF0	—	Reference power supply terminal of A/D converter.
25	KEYIN0	I	Key input
26	KEYIN1	I	Key input
27	FNCSEL0	I	First setting of slave function select. Connect to GND in this set.
28	FNCSEL1	I	First setting of slave function select. Connect to GND in this set.
29	$\overline{\text{TVSEL}}$	I	With/without of TV control function. Connect to GND in this set.
30	RC IN0	I	Rotary commander input
31	FP POS0	I	Front panel position signal detection input
32	FP POS1	I	Front panel position signal detection input
33	AVSS	—	GND
34	$\overline{\text{LCDANG}}$	O	LCD angle control output
35	—	—	Not used.
36	AVREF1	—	Reference power supply terminal of A/D converter.
37	FP POS2	I	Front panel position signal detection input
38	FP POS3	I	Front panel position signal detection input
39	LCDCE2	O	LCD chip enable output
40	GND	—	GND
41	NIL	I	Connect to GND.
42	LCDSO	O	LCD serial data output
43	LCDCKO	O	LCD serial clock output
44	LCDCE1	O	LCD chip enable output
45	$\overline{\text{LCDINH}}$	O	LCD blank display control output
46	UNISI	I	Serial data input
47	UNISO	O	Serial data output
48	UNICKI	I	Serial clock input

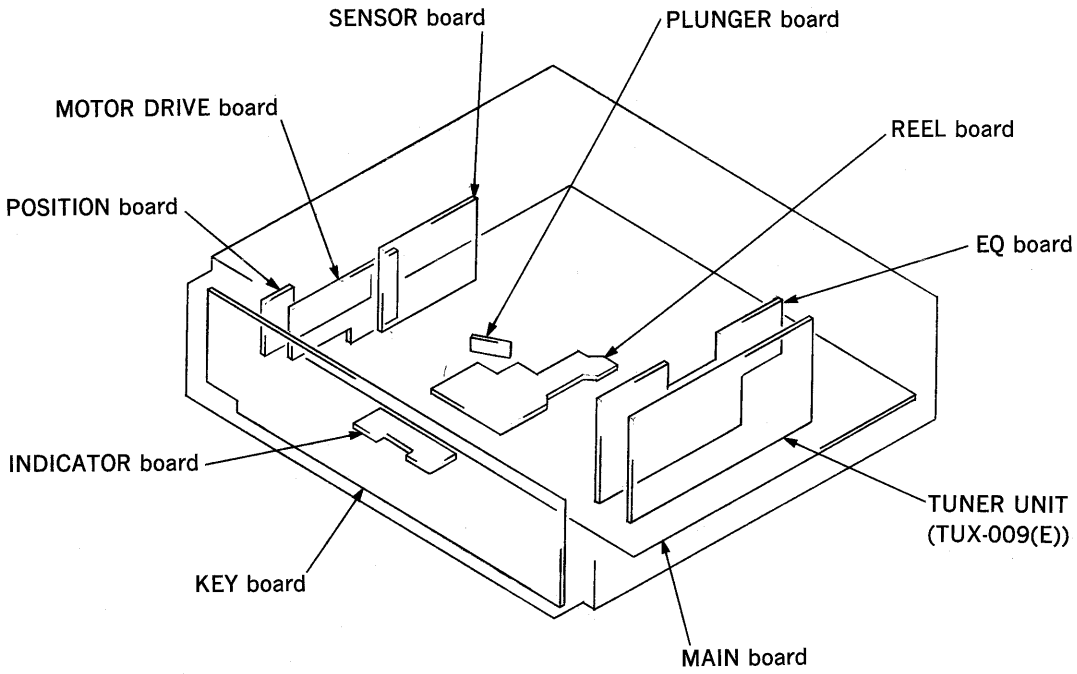
Pin No.	Pin Name	I/O	Pin Description
49	UNICKO	O	Serial clock output
50	$\overline{\text{BUSON}}$	O	BUS ON control output
51	$\overline{\text{SYSRST}}$	O	SYSTEM RESET control output
52	RE IN1	I	Rotary encoder input
53	RE IN0	I	Rotary encoder input
54	LM LOD	O	Loading motor control output (Loading direction)
55	LM EJ	O	Loading motor control output (Eject direction)
56	TAPE ON	O	Tape power control output
57	CM ON	O	Capstan motor control output
58	PL ON	O	Plunger control output
59	NCO	—	Not used.
60	PW ON	O	System power control output
61	FP OPEN	O	Front panel open motor control output
62	FP CLOSE	O	Front panel close motor control output
63	AMPON	O	Power amplifier power control output. Not used in this set.
64	ILLON	O	Illumination power control output
65	DOLON	O	DOLBY NR control output
66	$\overline{\text{AMSIN}}$	I	Music with/without detection input at AMS.
67	REL T	I	Forward direction rotation detection input of reel table.
68	REL S	I	Reverse direction rotation detection input of reel table.
69	POS0	I	Tape position signal detection input
70	POS1	I	Tape position signal detection input
71	GND	—	GND
72	POS2	I	Tape position signal detection input
73	POS3	I	Tape position signal detection input
74—77	NCO	—	Not used.
78	EL ON	O	EL power ON/OFF
79	MTLIN	I	METAL control input
80	DOL-C	O	DOLBY B/C select control output
81	TAPMUT	O	Tape mute control output
82	$\overline{\text{CSW}}$	I	Cassette tape with/without detection input
83	$\overline{\text{AMTLSEL}}$	I	With/without first setting of AUTO METAL function.
84	NCO	—	Not used.
85	ILL. IN	I	Illumination control input
86	FWD/$\overline{\text{REV}}$	I	Forward/reverse detection input
87	DIMMER	O	Dimmer control output
88	BEEP	O	Beep control output
89	COLOR	O	Illumination color select control output
90	$\overline{\text{AD ON}}$	O	Power control output of A/D converter.
91	$\overline{\text{TESTIN}}$	I	Test mode setting input
92	RC IN1	I	Rotary commander input
93	MUTE	O	System mute control output
94	$\overline{\text{CAUTION}}$	I	Caution alarm function input
95	$\overline{\text{TIRIND}}$	O	TIR indicator control output
96	DOORIND	O	Cassette door lighting ON/OFF control output
97, 98	NIL	—	Connect to GND.
99	D-B/$\overline{\text{BC}}$	I	DOLBY B/C input
100	DIMSEL	I	DIMMER input

• IC101 MN1883220S4B3 (TUNER SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Pin Description
1—6	NC	—	Not used. (Open)
7	VDD	—	Power supply terminal (+5V)
8	X-IN	—	Clock input (8MHz)
9	X-OUT	—	Clock output (8MHz)
10	GND	—	GND
11	XT-IN	—	Not used. (Connect to GND.)
12	XT-OUT	—	Not used. (Open)
13	(EX2)	—	Not used. (Connect to GND.)
14	$\overline{\text{RESET}}$	I	Reset input
15	(RDSCKI)	I	RDS CLK signal input. (Fixed at "L".)
16	BU-IN	I	Back-up power supply detection input. "H" : Back-up ON
17	$\overline{\text{BUSON}}$	I	BUS interface ON/OFF selection input from the System Control (IC501).
18—29	NC	—	Not used. (Open)
30	(RDSSI)	I	RDS DATA signal input. (Fixed at "L".)
31	—	—	Not used. (Fixed at "L".)
32—35	NC	—	Not used. (Open)
36, 37	—	—	Not used. (Connect to GND.)
38	PLLSI	I	Data input from the PLL (IC90).
39	PLLSO	O	Data output to the PLL (IC90).
40	PLLCKO	O	Clock output to the PLL (IC90).
41	PLLCE	O	Chip enable output to the PLL (IC90).
42	UNIREQ	O	BUS interface request output. Terminal for requesting communication requests at "H".
43	$\overline{\text{LNKOFF}}$	O	BUS interface link ON/OFF selection output. "H" : LINK OFF
44	UNICKI	I	Serial clock input from the System Control (IC501).
45	UNISI	I	Data input from the BUS interface (IC571).
46	UNISO	O	Data output to the BUS interface (IC571).
47	VDD	—	Power supply terminal (+5V)
48	AVDD	—	Power supply terminal (+5V)
49	VREF	I	Reference voltage input terminal of A/D conversion.
50, 51	—	—	Not used. (Connect to GND.)
52	SRAM-RST	I	SRAM reset input
53	MUTSEL	—	Not used. (Connect to GND.)
54	DSTSEL1	I	Desination selection input terminal. (Fixed at "L" : US,Canadian model, "H" : E model.)
55	DSTSEL0	I	Desination selection input terminal. (Fixed at "H".)
56	AM-VSM	I	AM S meter voltage detection input
57	FM-VSM	I	FM S meter voltage detection input. Uses the A/D conversion functions during BTM and RDS.
58	AVREF−	—	Connect to GND.
59	AVSS	—	GND
60	GND	—	GND
61	MODE2	O	Tuner ON/OFF selection output to the Power Supply (IC601).
62	DX/$\overline{\text{LO}}$	—	Not used. (Open)
63	RECEIVE	I	Receive input. Input level "L" when change the frequency.
64	AM-ON	—	Not used. (Fixed at "L".)
65	MODE1	O	FM ON/OFF selection output to the Power Supply (IC601).

Pin No.	Pin Name	I/O	Pin Description
66	TUNER-MUTE	O	Muting control signal output
67	AF-SEK	O	Not used. (Open)
68	—	—	Not used. (Fixed at "L".)
69	NC	—	Not used. (Open)
70	ST-IN	I	STEREO indicator control input
71	SD-IN	I	SD input
72—80	NC	—	Not used. (Open)

6-2. CIRCUIT BOARDS LOCATION



● **Semiconductor Location**

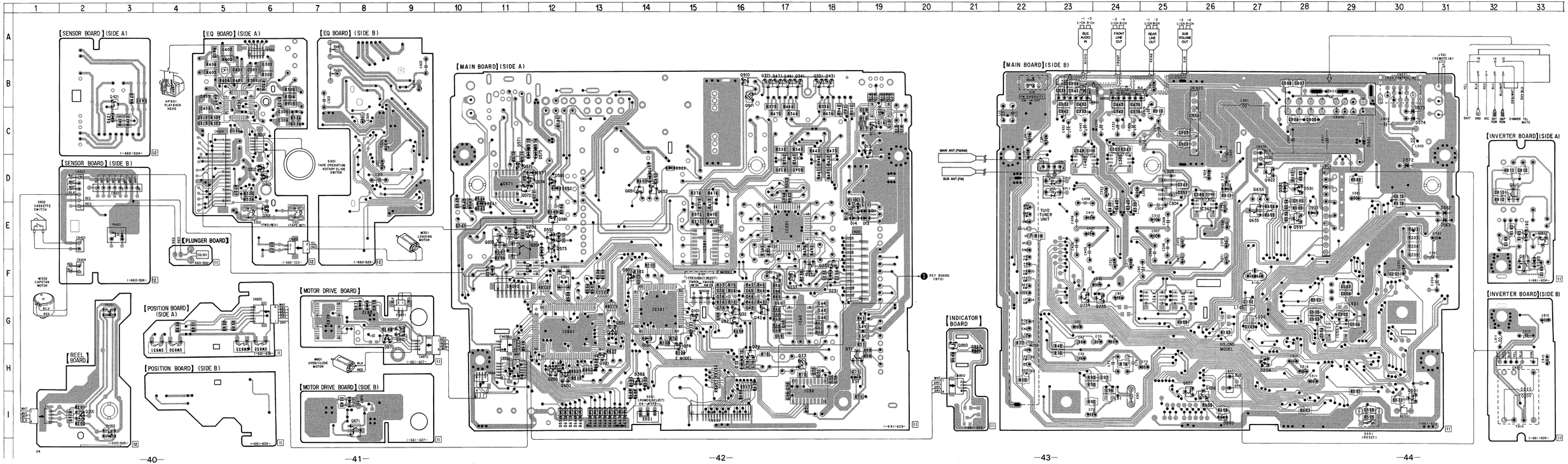
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D11	E-19	D670	I-14	Q74	H-15
D12	E-18	D671	I-13	Q81	F-17
D13	E-19	D672	I-12	Q82	G-16
D14	E-18	D810	E-33	Q101	G-15
D15	C-19	D811	F-33	Q201	E-12
D71	H-19	D850	H-21	〈Q201〉	I-2
D72	H-16	D870	G-8	Q202	E-12
D101	G-14	D871	G-8	Q203	E-11
D202	E-11	D872	G-8	Q205	H-12
D203	F-11	D873	I-8	Q231	F-18
D204	H-27	D901	C-29	Q232	F-17
D231	F-18	D903	E-28	Q233	F-17
D301	E-6	D911	D-26	Q234	G-23
D302	D-6	D920	D-15	Q235	G-24
D303	D-6			Q331	B-18
D421	C-3	IC10	B-19	Q341	B-17
D501	F-14	IC31	G-25	Q371	B-17
D551	E-12	IC41	G-25	Q421	B-3
D552	E-12	IC60	G-17	Q431	B-18
D553	H-14	IC90	I-17	Q441	B-17
D554	I-12	IC101	G-14	Q471	B-17
D561	D-11	IC201	F-11	Q501	I-30
D562	E-31	IC301	E-17	Q551	G-13
D563	E-31	(IC301)	B-5	Q571	D-11
D571	C-11	IC303	D-25	Q572	D-11
D572	D-30	IC304	D-25	Q573	E-12
D573	C-30	IC305	C-24	Q574	D-12
D574	C-30	IC362	E-26	Q581	E-12
D575	D-12	IC381	E-15	Q591	E-28
D576	F-12	IC405	D-23	Q650	H-12
D577	D-12	IC501	G-12	Q651	D-14
D581	D-12	IC551	G-29	Q652	D-14
D582	D-12	IC571	D-11	Q653	D-27
D591	D-28	IC601	D-28	Q655	E-27
D592	D-27	IC870	G-7	Q656	H-26
D651	D-14			Q657	H-25
D660	I-26	PH201	G-2	Q810	E-32
D661	I-14	PH202	I-3	Q811	F-32
D662	I-13	PH421	E-3	Q812	E-32
D663	I-13			Q850	H-21
D664	I-13	Q11	C-19	Q870	G-9
D665	I-13	Q32	G-16	Q871	I-8
D666	I-13	Q42	G-16	Q910	B-16
D667	I-13	Q71	H-19	Q911	B-16
D668	I-13	Q72	H-16	Q921	H-13
D669	I-13	Q73	H-17	Q922	D-27

( ): EQ board
〈 〉: REEL board

Note :

- o— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- ● : Through hole.
- ▩ : Pattern on the side which is seen.
  (The other layer's patterns are not indicated.)

6-3. PRINTED WIRING BOARDS—MAIN SECTION— • Refer to page 39 for Note and Semiconductor Location.



6-4. SCHEMATIC DIAGRAM—MAIN SECTION— • Refer to page 55 for IC Block Diagrams.

Note :

- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- (B+) : B+ Line
- ▭ : adjustment for repair.
- Power voltage is dc 14.4V and fed with regulated dc power supply from BATT and ACC terminals.
- Voltage is dc with respect to ground under no-signal (detuned) conditions.
- no mark: FM
  ( ): AM
  < >: PB
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM
  ➡ : AM
  ⇨ : PB

【MAIN BOARD】

【EQ BOARD】

【PLUNGER BOARD】

【REEL BOARD】

【SENSOR BOARD】

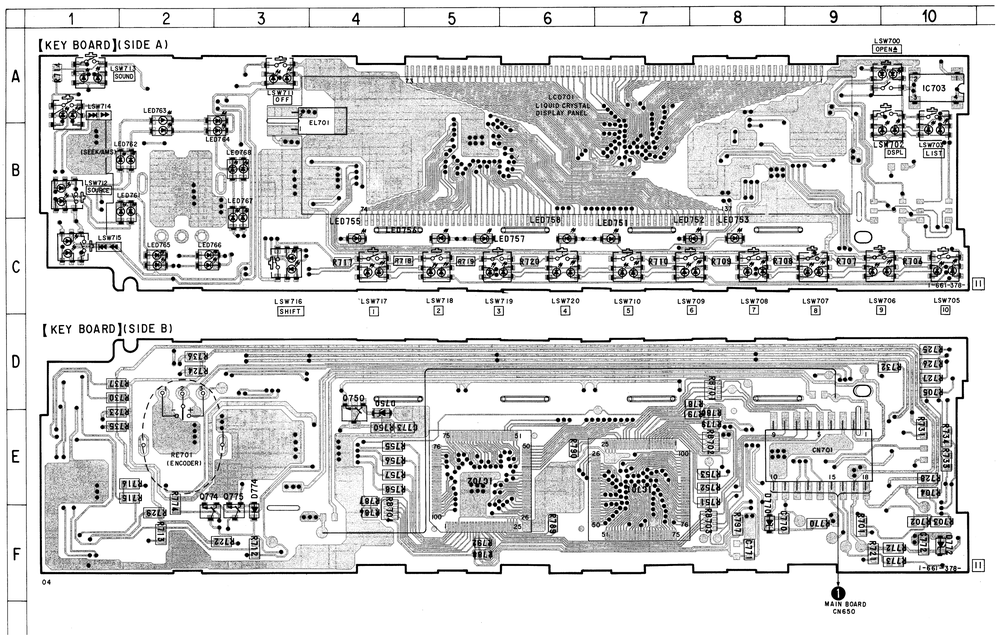
【INVERTER BOARD】

【INDICATOR BOARD】

【POSITION BOARD】

【MOTOR DRIVE BOARD】

6-5. PRINTED WIRING BOARD—PANEL SECTION—

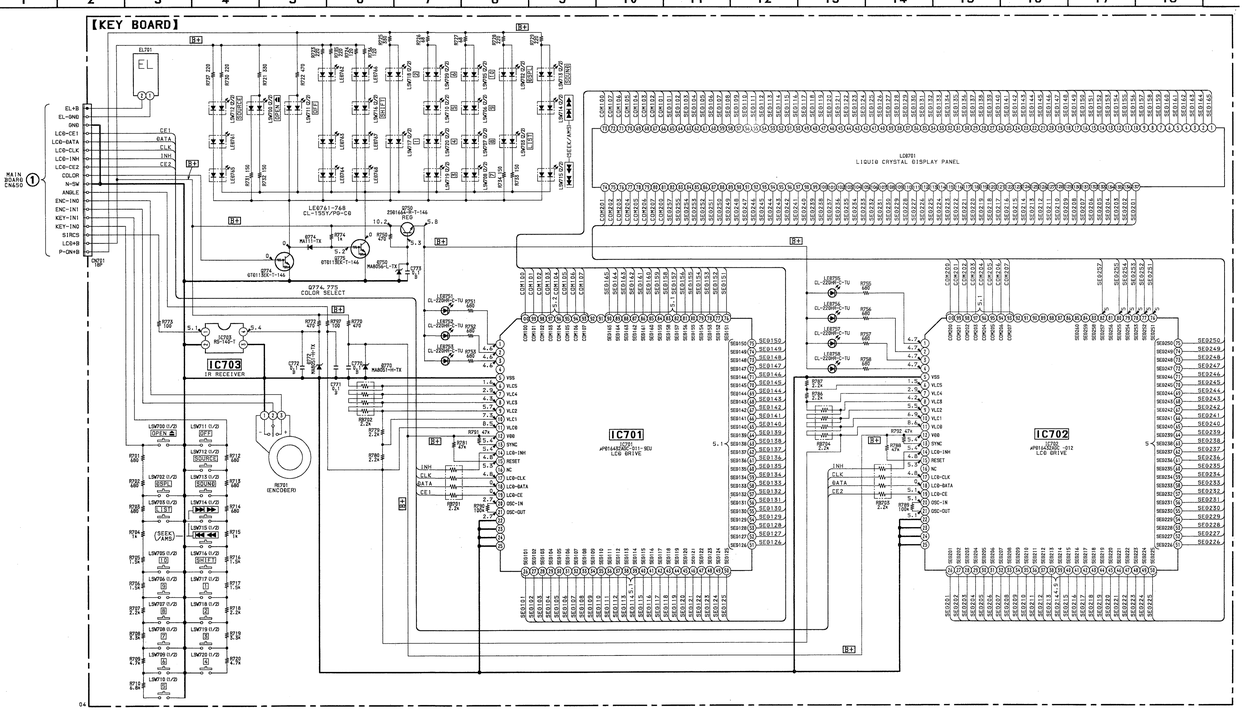


● Semiconductor Location

Ref. No.	Location
D750	D-4
D770	F-8
D772	F-10
D774	E-3
IC701	E-7
IC702	E-5
IC703	A-10
LED751	C-7
LED752	C-7
LED753	C-8
LED755	C-4
LED756	C-5
LED757	C-5
LED758	C-6
LED761	B-2
LED762	B-2
LED763	A-2
LED764	B-3
LED765	C-2
LED766	C-2
LED767	B-3
LED768	B-3
Q750	D-4
Q774	E-2
Q775	E-3

Note :
- ● : Through hole.
- ▭ : Pattern on the side which is seen. (The other layer's patterns are not indicated.)

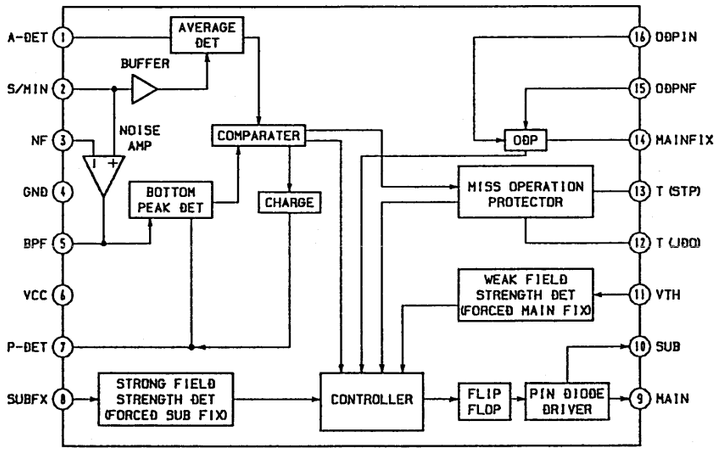
6-6. SCHEMATIC DIAGRAM—PANEL SECTION—



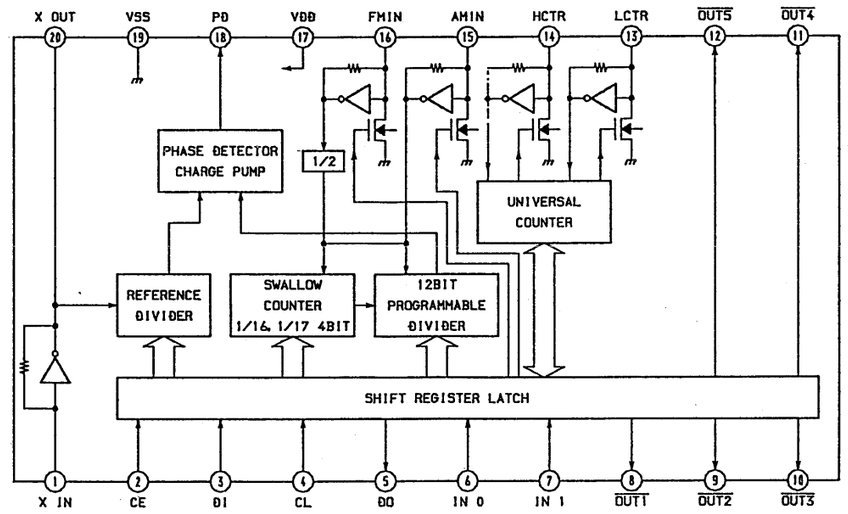
Note :
- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- B+ : B+ Line
- Power voltage is dc 14.4V and fed with regulated dc power supply from BATT and ACC terminals.
- Voltage is dc with respect to ground under no-signal (detuned) conditions.
- no mark: FM
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.

• **IC Block Diagrams**

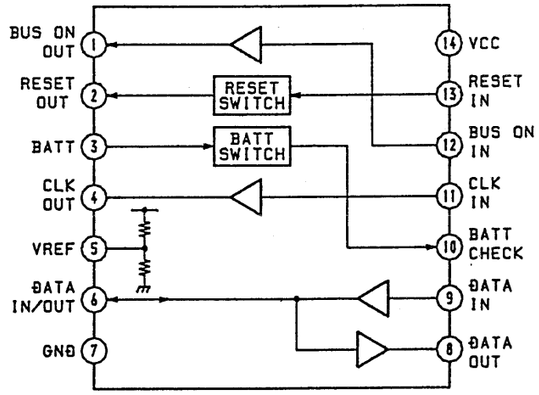
IC10 TA2083FN-EL



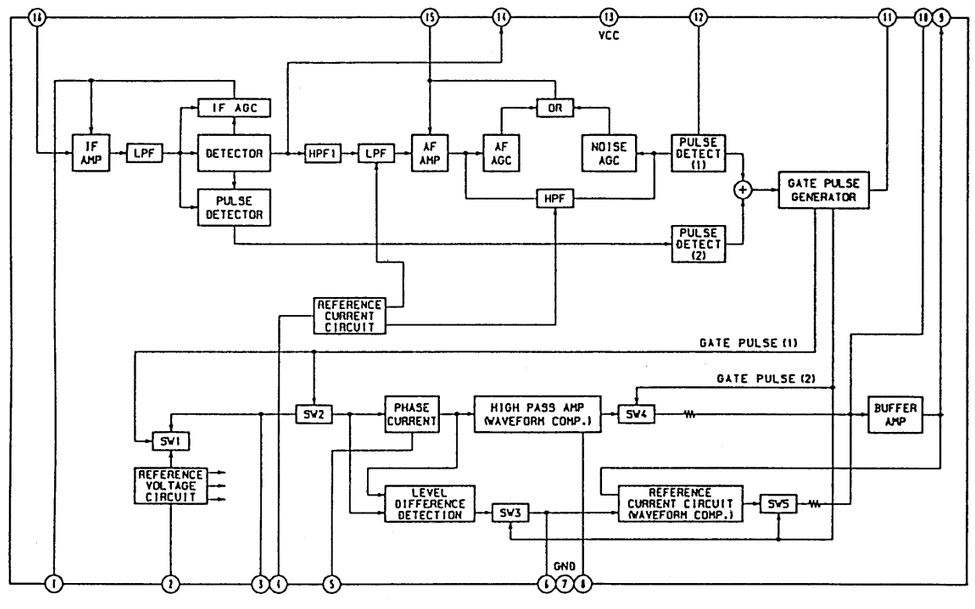
IC90 LC7216M



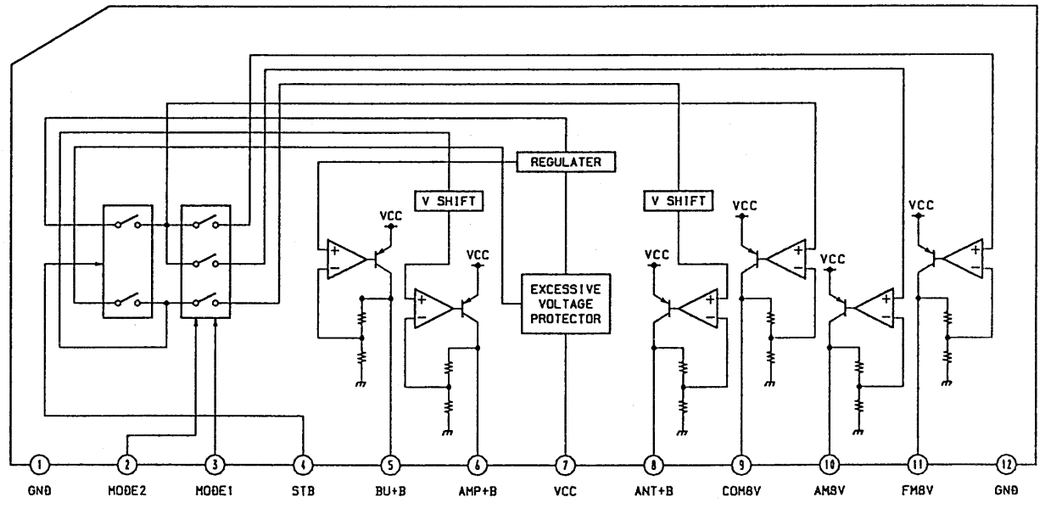
IC571 MM1175XFF



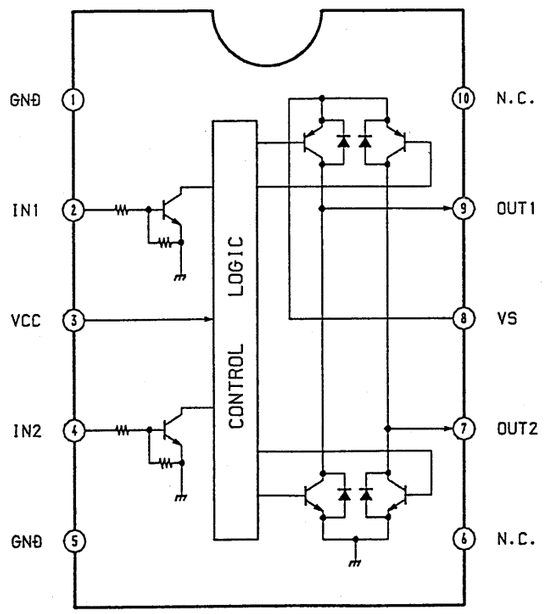
IC60 HA12181FP-EL



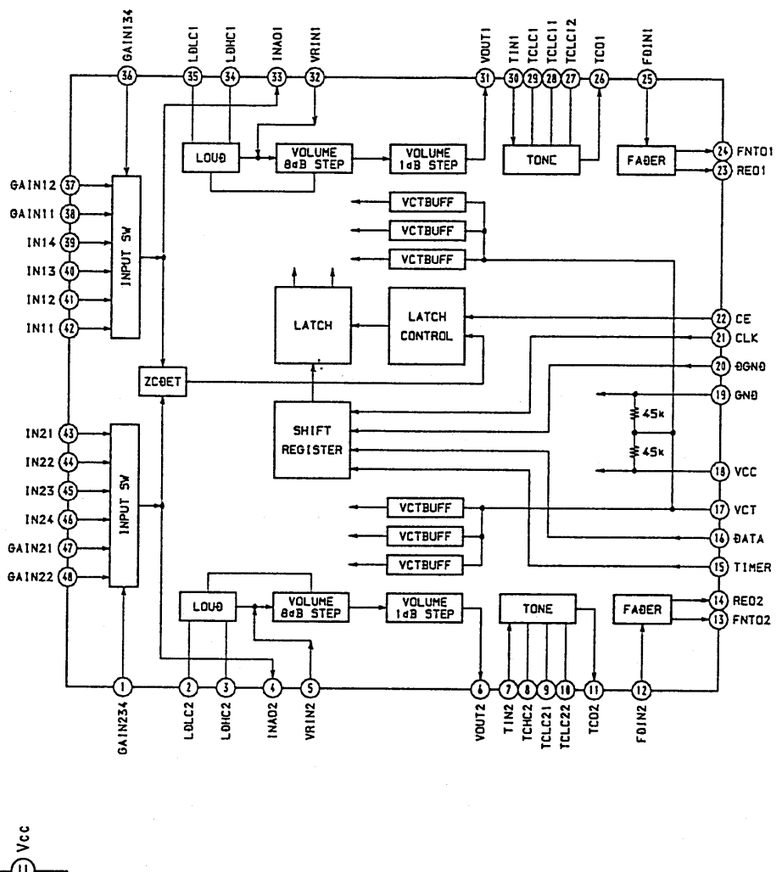
IC601 BA3918-V2



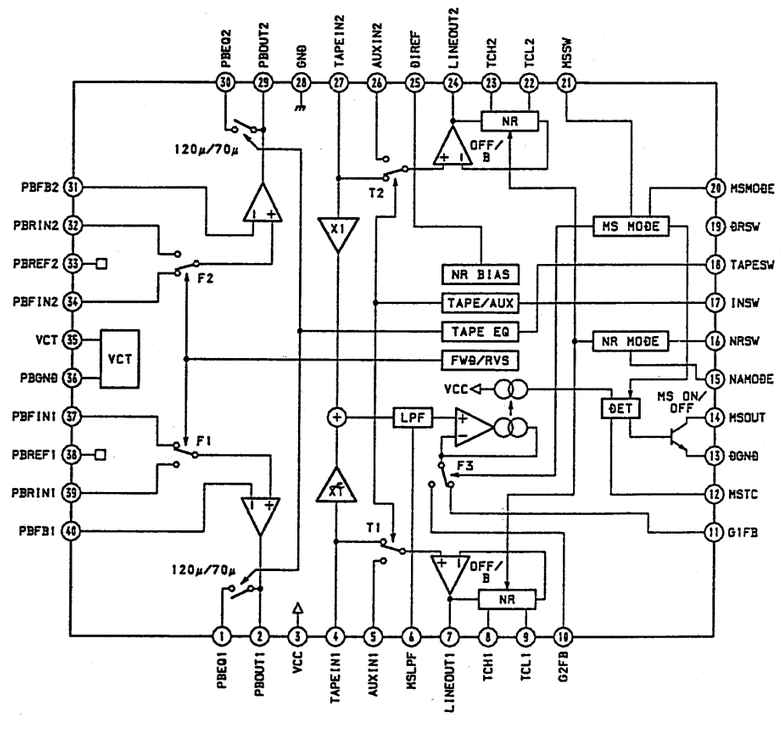
IC201 LB1638MTP-T1



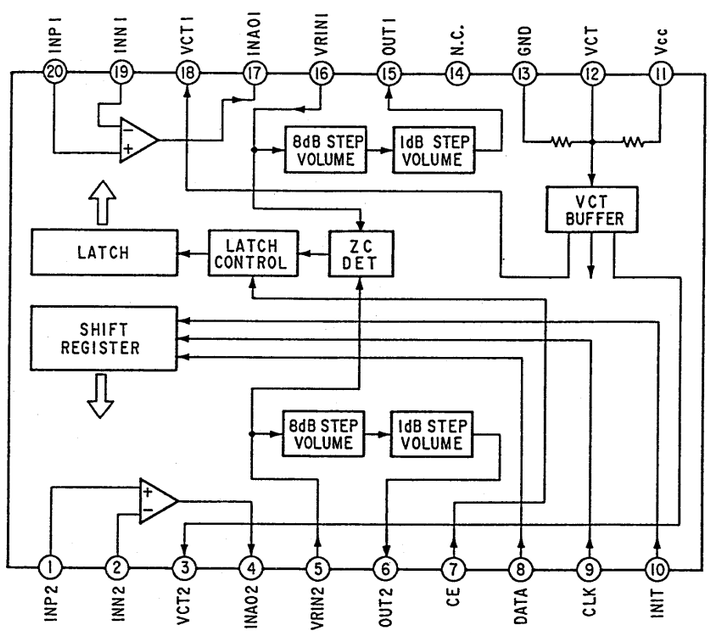
IC301 CXA1946AQ-T6 (Main Board)



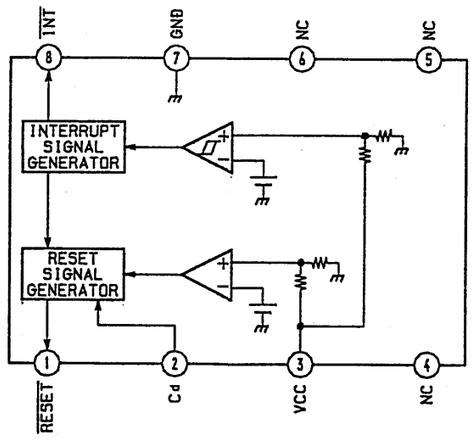
IC301 CXA2511Q-T4 (EQ Board)



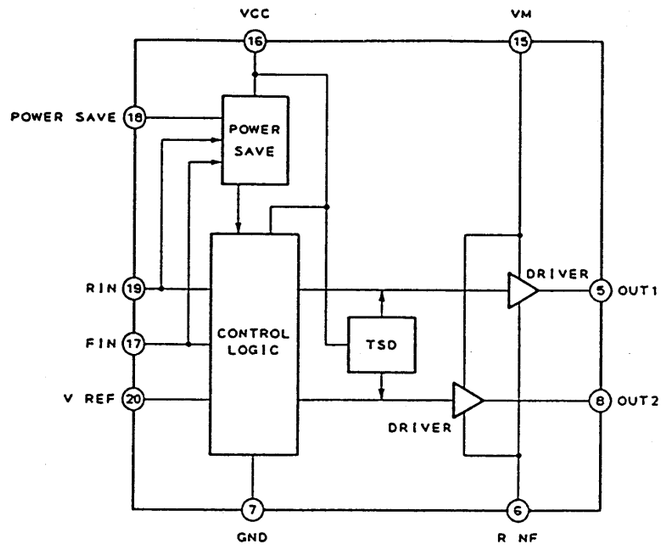
IC381 CXA1846M-T6



IC551 M62008FP-T1



IC870 BA6285FP

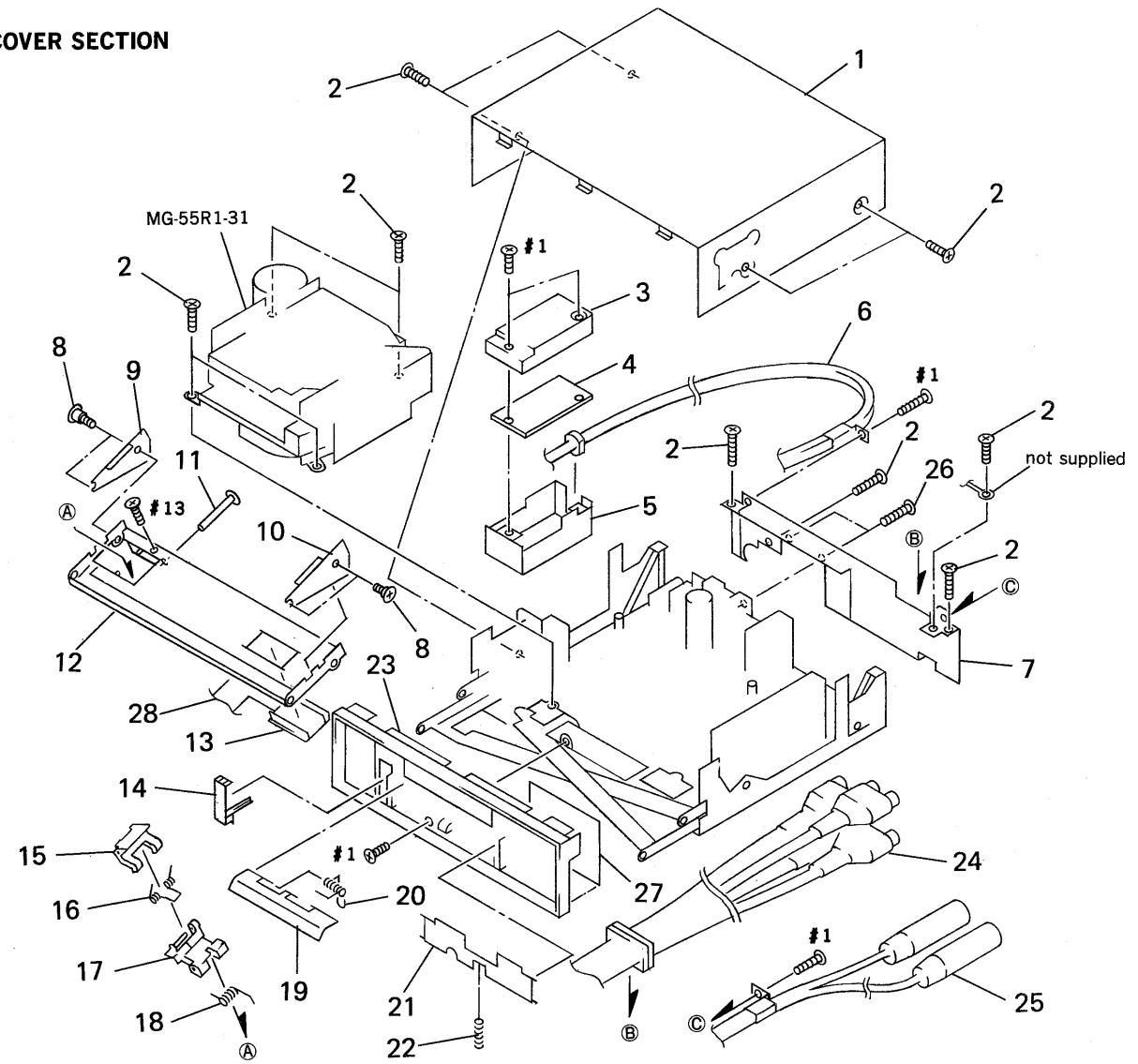


SEE ADDITIONAL INFORMATION

SECTION 7
EXPLODED VIEWS

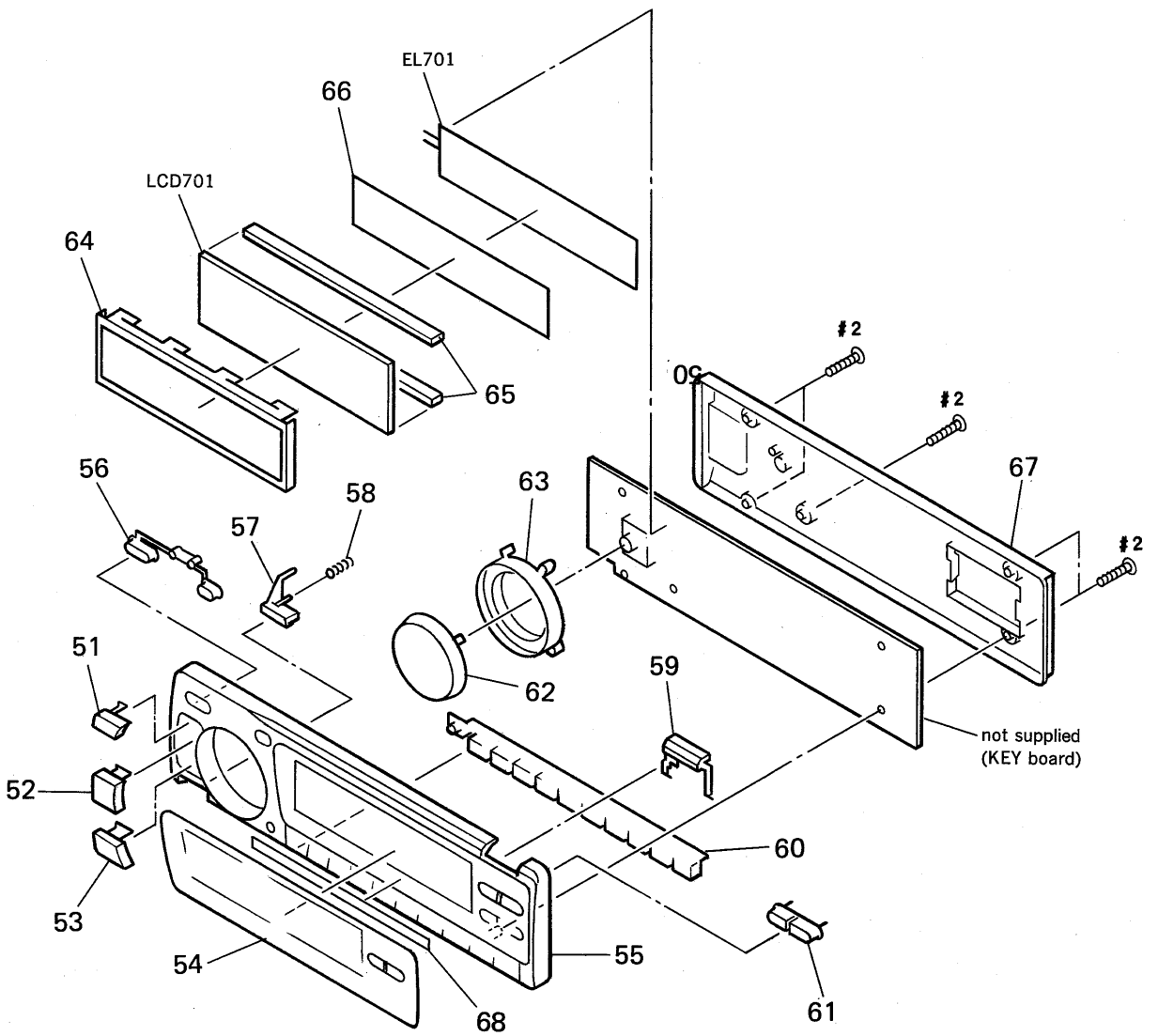
NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE)... (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

7-1. COVER SECTION



Ref. No.	Part No.	Description	Remark
* 1	3-934-759-01	COVER, CHASSIS	
2	3-906-712-01	SCREW (2.6X6) (CU), +PTT	
* 3	3-934-416-01	CASE (UPPER)	
* 4	A-3309-424-A	INVERTER BOARD, COMPLETE	
* 5	3-934-417-01	CASE (LOWER)	
6	1-777-180-11	CORD (WITH CONNECTOR)	
* 7	3-934-766-01	HEAT SINK	
8	3-934-764-01	SCREW, ORNAMENTAL	
9	3-934-762-01	COVER (L)	
10	3-934-763-01	COVER (R)	
11	3-934-755-01	SHAFT (LOCK)	
12	3-934-769-01	PANEL (BASE)	
13	1-778-182-11	SOCKET, CONNECTOR 18P	
14	3-934-751-01	BUTTON (RESET)	
15	3-934-756-01	ARM (LOCK)	
16	3-934-765-01	SPRING (B)	
17	3-934-757-01	HOLDER (LOCK)	
18	3-934-758-01	SPRING (A)	
19	3-934-742-01	PLATE, PROTECTION	
20	3-934-761-01	SPRING, TORSION	
21	3-934-741-01	PLATE, SLIDE	
22	3-934-760-01	SPRING, COMPRESSION	
23	X-3372-138-1	PANEL SUB ASSY, SUB	
24	1-777-163-11	CORD (WITH CONNECTOR) (LINE IN/OUT)	
25	1-751-721-21	CORD (WITH CONNECTOR) (ANT)	
26	3-931-012-01	SCREW (2.6X10) (CU.C TIGHT), PTT	
* 27	3-937-368-01	SHEET (COPPER LEAF)	
28	1-661-796-11	PC BOARD, FLEXBLE	

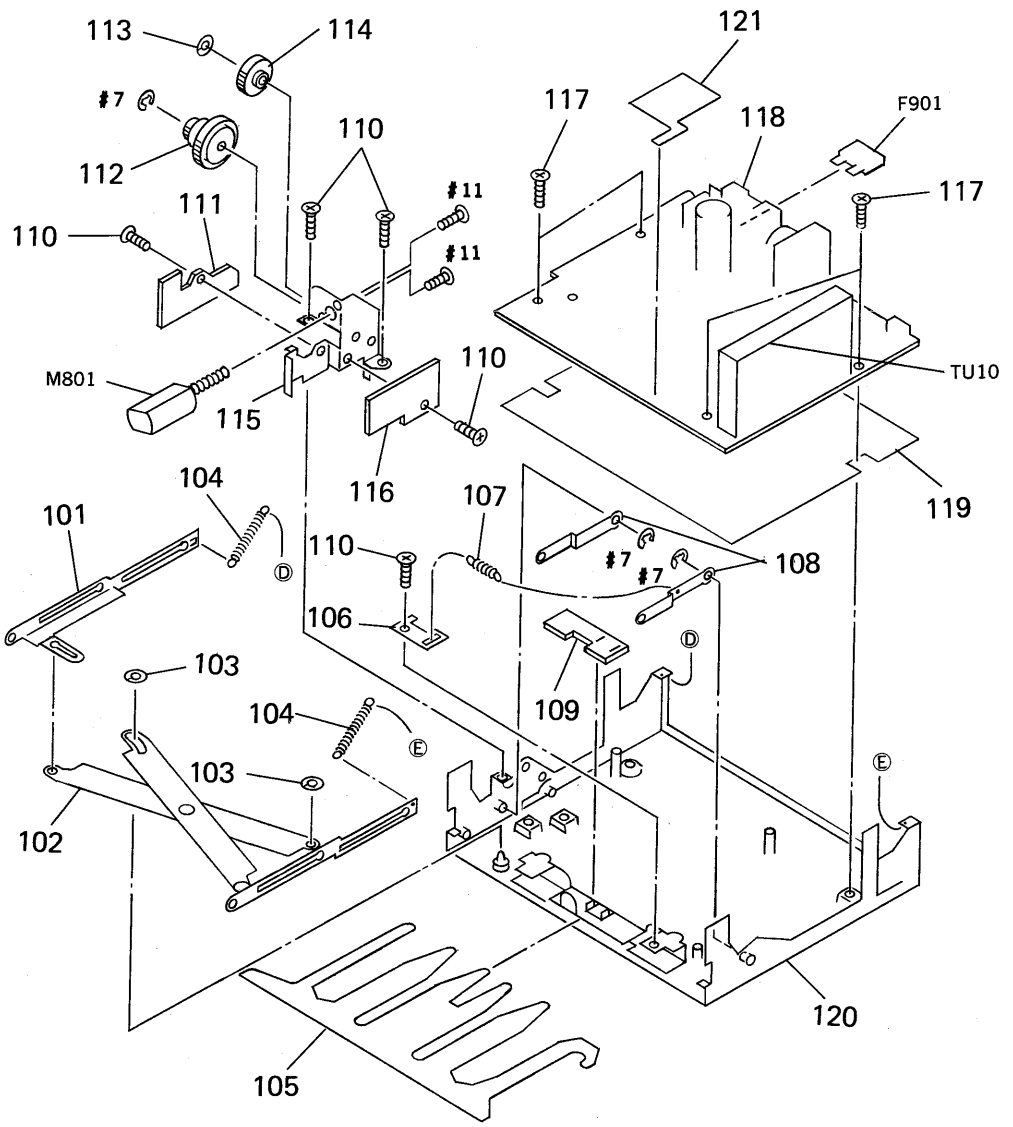
7-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	3-934-407-01	BUTTON (FF)	
52	3-934-408-01	BUTTON (SOURCE)	
53	3-934-409-01	BUTTON (REW)	
54	3-934-411-01	PLATE, INDICATION	
55	3-934-403-01	PANEL, FRONT	
56	3-934-398-01	BUTTON (OFF)	
57	3-934-410-01	BUTTON (RELEASE)	
58	3-934-415-01	SPRING (RELEASE)	
59	3-934-406-01	BUTTON (OPEN)	
60	3-934-405-01	BUTTON (1-10)	

Ref. No.	Part No.	Description	Remark
61	3-934-399-01	BUTTON (DSPL)	
62	3-934-401-01	KNOB (VOL)	
63	3-934-394-01	RING, VOL	
64	3-934-412-01	PLATE (LCD), GROUND	
65	1-778-197-11	CONNECTOR, INTER	
* 66	3-934-395-01	ILLUMINATOR (LCD)	
67	3-934-404-01	PANEL, FRONT BACK	
68	3-934-396-01	ILLUMINATOR (MODE)	
EL701	1-517-557-11	LIGHT, ELECTRO LUMINESCENT	
LCD701	1-801-281-11	DISPLAY PANEL, LIQUID CRYSTAL	

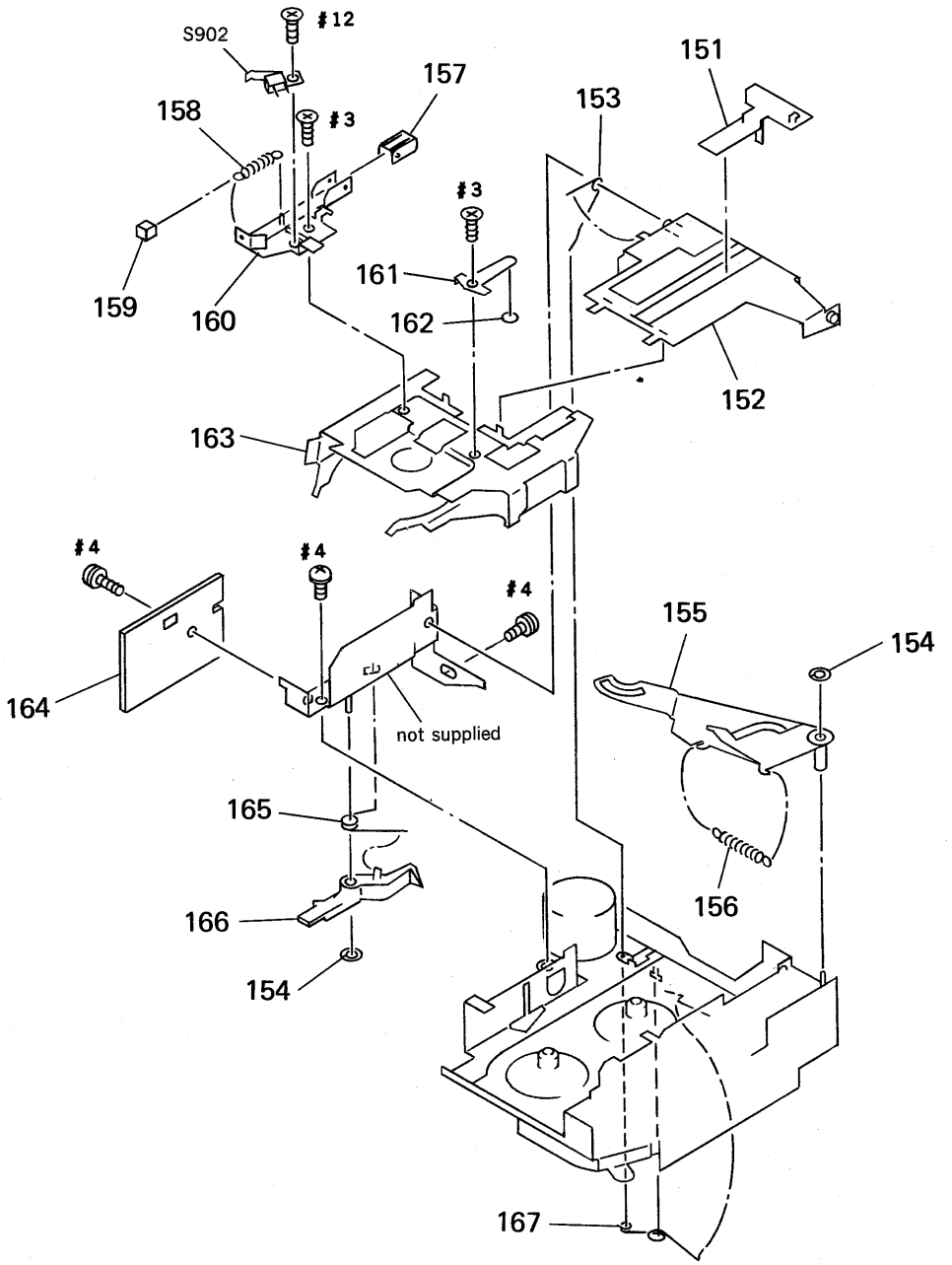
7-3. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
101	3-934-753-01	ARM (L), SLIDE	
102	X-3371-959-1	ARM ASSY, SLIDE	
103	3-899-829-01	WASHER (SLIT)	
104	3-937-758-01	SPRING (CHASSIS)	
105	3-934-768-01	SHEET, PROTECTION	
106	3-937-767-01	BRACKET (SPRING)	
107	3-937-933-01	SPRING (ARM)	
* 108	3-934-732-01	ARM	
* 109	1-661-606-11	INDICATOR BOARD	
110	3-906-712-01	SCREW (2.6X6) (CU), +PTT	
* 111	1-661-605-11	POSITION BOARD	
112	X-3371-964-1	CLUTCH ASSY	
113	3-321-813-01	WASHER, COTTER POLYETHYLENE	

Ref. No.	Part No.	Description	Remark
114	3-934-749-01	GEAR (2)	
* 115	X-3371-963-1	BRACKET (MOTOR) ASSY	
* 116	1-661-607-11	MOTOR DRIVE BOARD	
117	3-906-713-01	SCREW (+PTT), GROUND POINT	
* 118	A-3294-097-A	MAIN BOARD, COMPLETE (US, Canadian)	
* 118	A-3294-100-A	MAIN BOARD, COMPLETE (E)	
* 119	3-934-767-01	SHEET, INSULATING	
* 120	X-3371-958-1	CHASSIS SUB ASSY	
121	3-937-597-01	PLATE (FLEXIBLE), SHIELD	
F901	1-532-797-11	FUSE (BLADE TYPE) (AUTO FUSE) 7.5A	
M801	X-3372-497-1	MOTOR ASSY (OPEN/CLOSE)	
TU10	A-3282-020-A	TUNER UNIT (TUX-009(E))	

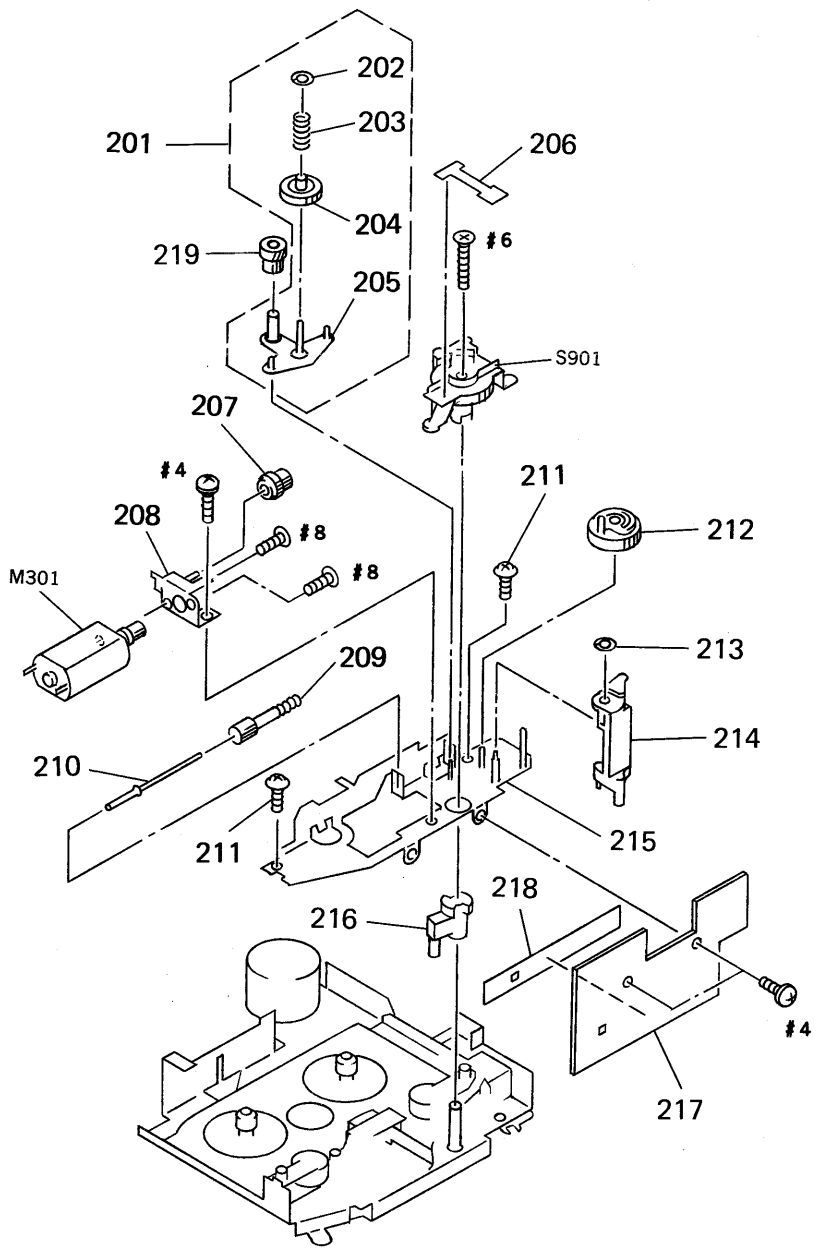
7-4. MECHANISM DECK SECTION (1) (MG-55R1-31)



Ref. No.	Part No.	Description	Remark
151	3-344-118-01	CATCHER	
* 152	X-3362-262-1	HANGER (F) ASSY, HOUSING	
153	3-344-113-03	SPRING	
154	3-344-222-01	WASHER	
* 155	X-3344-121-1	ARM ASSY, SUCTION	
156	3-344-216-01	SPRING (SUCTION ARM), TENSION	
157	3-368-235-01	LEVER, CASSETTE DETECTION	
158	3-542-475-00	SPRING, TENSION	
159	3-936-894-01	CUSHION (COIL SPRING)	

Ref. No.	Part No.	Description	Remark
160	X-3362-992-1	SWITCH (BKT) ASSY	
161	3-936-892-01	DETENT, HOUSING	
162	3-936-893-01	CUSHION (HOUSING)	
* 163	3-344-103-21	HOUSING, CASSETTE	
* 164	1-660-524-11	SENSOR BOARD	
165	3-344-285-01	SPRING (F), TS	
166	3-368-237-01	ARM (U), TS	
167	3-344-279-01	SPRING, BUFFER	
S902	1-572-765-11	SWITCH, MICRO (CASSETTE)	

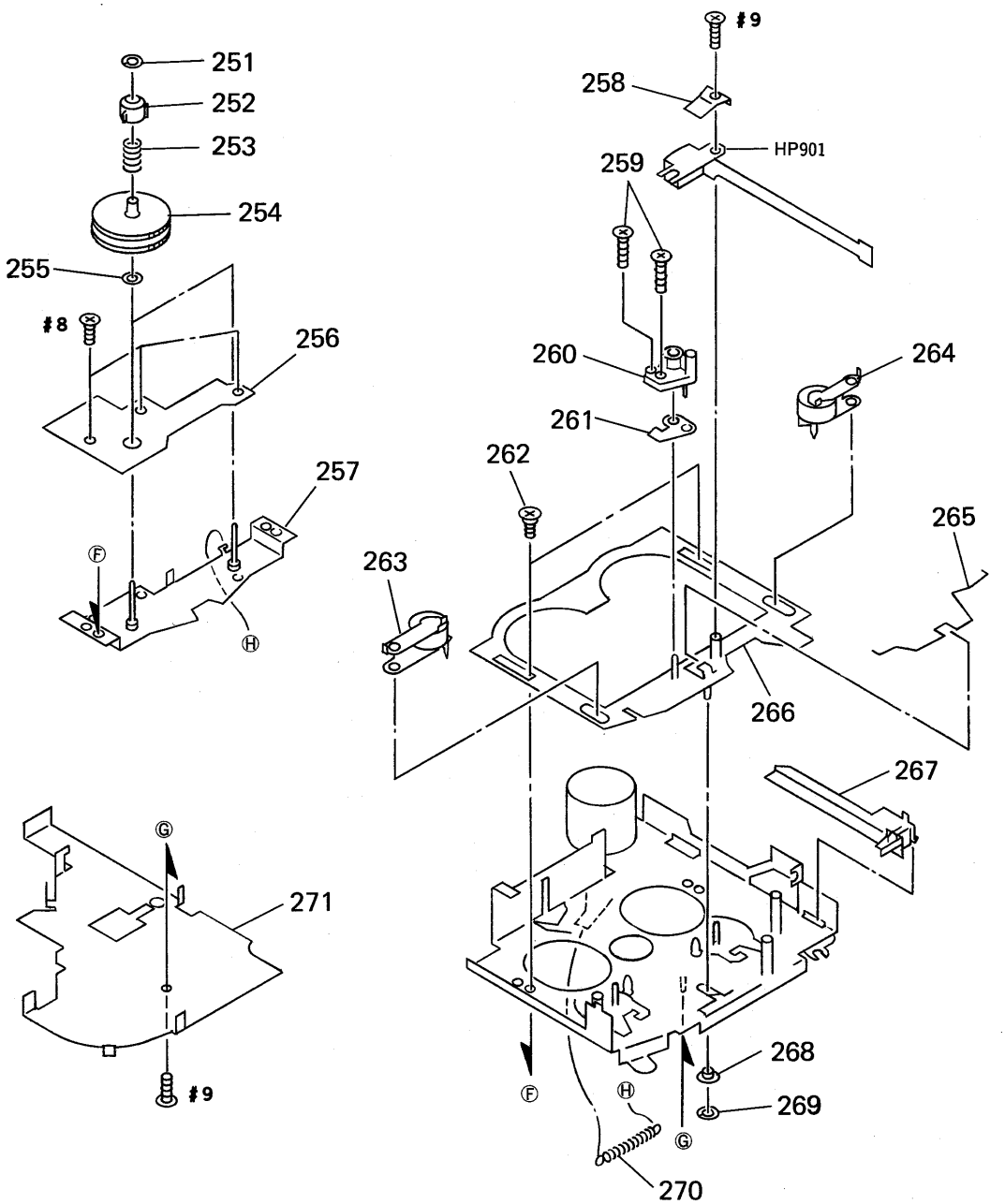
7-5. MECHANISM DECK SECTION (2) (MG-55R1-31)



Ref. No.	Part No.	Description	Remark
* 201	A-3239-954-A	GEAR ASSY, DRIVING ARM	
202	3-662-058-00	WASHER, SLIT	
203	3-344-137-01	SPRING, COMPRESSION	
204	3-344-165-02	GEAR (B), FRICTION	
205	X-3344-109-4	ARM ASSY, DRIVING	
206	1-635-519-12	FLEXIBLE BOARD	
207	3-344-281-01	GEAR (A), DRIVING	
* 208	X-3344-142-2	BRACKET (F) ASSY, MOTOR	
209	3-344-156-01	GEAR (B), DRIVING	
210	3-344-157-01	SHAFT, GEAR (B), DRIVING	
211	3-703-502-21	SCREW	

Ref. No.	Part No.	Description	Remark
212	X-3344-119-1	GEAR ASSY (L), LDG	
213	3-344-222-01	WASHER	
* 214	3-375-458-01	ARM (M), REVERSE	
* 215	X-3362-260-3	CHASSIS (F) ASSY, MCU	
216	X-3344-117-1	ARM ASSY (L), MODE	
* 217	A-3294-024-A	EQ BOARD, COMPLETE	
* 218	3-936-254-01	INSULATOR	
219	3-344-108-01	GEAR (FRICTION A)	
M301	X-3362-826-1	MOTOR ASSY (LOADING)	
S901	1-572-397-11	SWITCH, ROTARY SLIDE (TAPE OPERATION)	

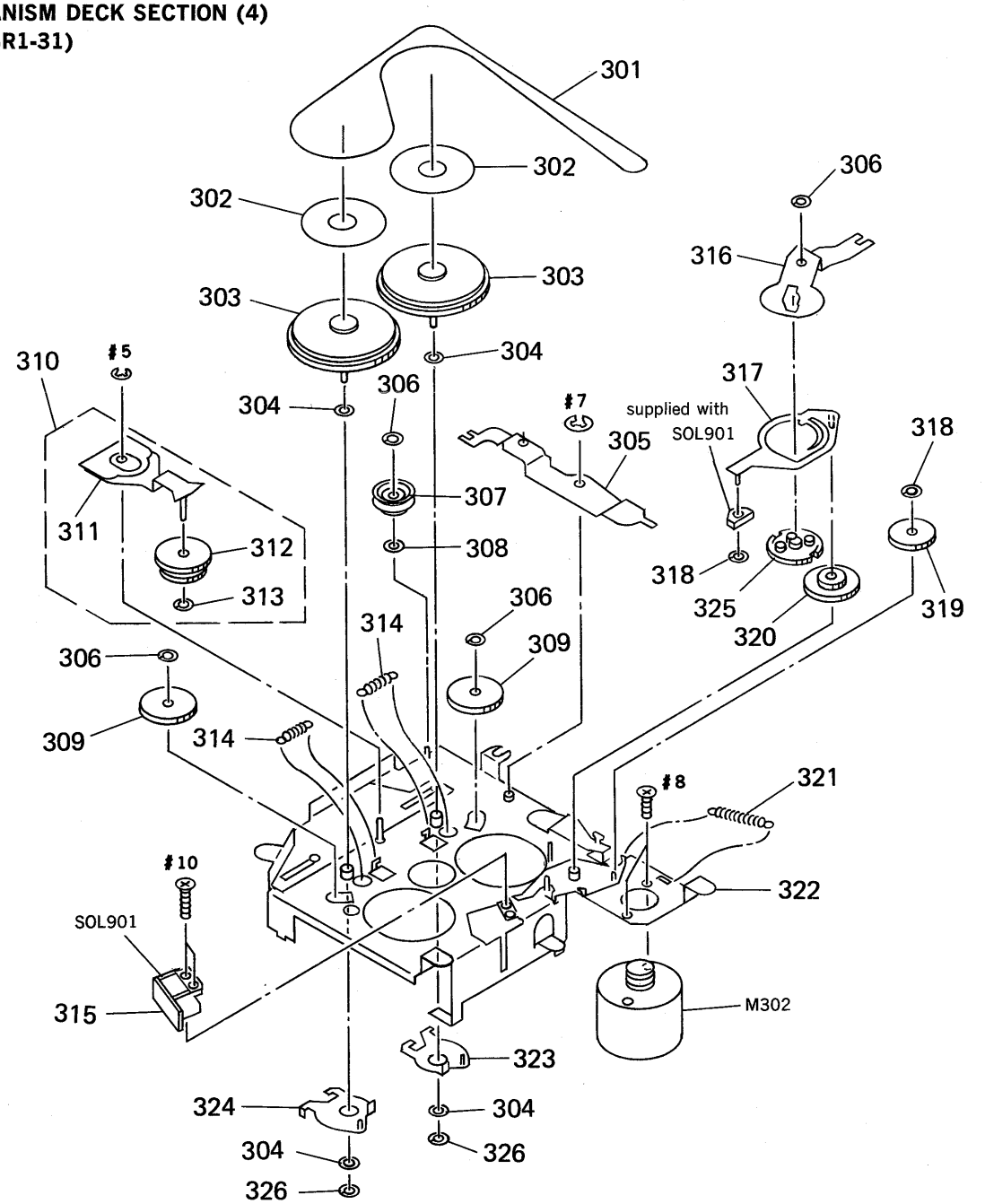
7-6. MECHANISM DECK SECTION (3) (MG-55R1-31)



Ref. No.	Part No.	Description	Remark
251	3-905-661-01	WASHER	
252	3-365-725-01	CAP (F), REEL	
253	3-344-143-01	SPRING (BT), COMPRESSION	
254	X-3362-214-1	TABLE (F) ASSY, REEL	
255	3-701-437-01	POLY-SLIDER (A)	
* 256	1-660-525-11	REEL BOARD	
* 257	X-3366-705-1	BRACKET ASSY (F6), TABLE, REEL	
258	3-344-130-04	RETAINER, HEAD	
259	3-364-122-01	SCREW (M1.4X5.5), ADJ	
260	3-372-170-01	ARM, DAH	
261	3-344-128-06	SEAM, DAH	

Ref. No.	Part No.	Description	Remark
262	3-344-110-01	SCREW (HB), STEP	
263	X-3344-115-1	ARM (R) ASSY, PINCH	
264	X-3344-116-1	ARM (F) ASSY, PINCH	
265	3-363-909-01	SPRING (R), PINCH PRESS	
* 266	X-3366-703-2	BASE ASSY (F6), HEAD	
* 267	3-382-483-01	LEVER (RVS JOINT)	
268	3-344-116-01	ROLLER (A), H/B	
269	3-344-222-01	WASHER	
270	3-344-217-01	SPRING (CAM LOCK LEVER), TENSION	
* 271	3-344-220-01	COVER, MD	
HP901	1-500-043-22	HEAD, MAGNETIC (PLAYBACK)	

7-7. MECHANISM DECK SECTION (4) (MG-55R1-31)



Ref. No.	Part No.	Description	Remark
301	3-387-987-01	BELT	
302	3-907-512-01	SHEET (FLYWHEEL)	
303	3-389-621-02	FLYWHEEL (Z)	
304	3-701-437-01	POLY-SLIDER (A)	
* 305	X-3344-139-3	ARM ASSY, POWER	
306	3-344-222-01	WASHER	
307	3-371-971-01	PULLEY (P), MIDWAY	
308	3-701-436-01	WASHER, 1.6	
309	3-376-927-01	GEAR (PLAY)	
310	A-3223-947-A	GEAR ASSY, FR	
* 311	X-3366-711-1	ARM ASSY (F6), FR	
312	X-3344-102-1	GEAR ASSY, FR	
313	3-905-588-01	WASHER	
314	3-344-218-02	SPRING (PLAY ARM), TENSION	

Ref. No.	Part No.	Description	Remark
* 315	1-660-526-11	PLUNGER BOARD	
* 316	X-3344-114-1	LEVER ASSY, RVS	
317	X-3344-107-1	LEVER ASSY (F6), CAM LOCK	
318	3-344-223-01	WASHER	
319	3-344-147-01	GEAR (RVS-A)	
320	3-344-146-01	GEAR (RVS-B)	
321	3-344-215-01	SPRING, TENSION	
* 322	X-3366-043-1	CHASSIS (L) ASSY, MECHANICAL	
* 323	X-3366-402-1	ARM ASSY (PLAY F)	
* 324	X-3366-403-1	ARM ASSY (PLAY R)	
325	3-389-171-01	GEAR (RVS CAM)	
326	3-364-151-01	WASHER	
M302	X-3344-136-4	MOTOR ASSY, CAPSTAN	
SOL901	1-454-461-11	SOLENOID, PLUNGER	

SECTION 8
ELECTRICAL PARTS LIST

EQ **INDICATOR**

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u:μ, for example:
  uA..: μA.. uPA..: μPA..
  uPB..: μPB.. uPC..: μPC.. uPD..: μPD..
- CAPACITORS
  uF: μF
- COILS
  uH: μH

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
*	A-3294-024-A	EQ BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C301	1-109-813-11	MICA CHIP	100PF	5%	100V
C302	1-109-813-11	MICA CHIP	100PF	5%	100V
C303	1-136-153-00	FILM	0.01uF	5%	50V
C304	1-115-662-61	ELECT	0.47uF	20%	50V
C305	1-104-563-11	FILM CHIP	0.1uF	5%	16V
C306	1-104-561-11	FILM CHIP	0.068uF	5%	16V
C321	1-115-651-61	ELECT	100uF	20%	16V
C322	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C323	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C324	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C325	1-115-650-61	ELECT	47uF	20%	16V
C326	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C327	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C328	1-162-806-11	CERAMIC	0.1uF	10%	50V
C401	1-109-813-11	MICA CHIP	100PF	5%	100V
C402	1-109-813-11	MICA CHIP	100PF	5%	100V
C403	1-136-153-00	FILM	0.01uF	5%	50V
C404	1-115-662-61	ELECT	0.47uF	20%	50V
C405	1-104-563-11	FILM CHIP	0.1uF	5%	16V
C406	1-104-561-11	FILM CHIP	0.068uF	5%	16V
C407	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
		< CONNECTOR >			
CN301	1-565-770-11	CONNECTOR, FPC (1.0MM) (ZIF) 6P			
CN302	1-569-806-21	CONNECTOR, FPC 5P			
* CN303	1-691-741-21	PIN, CONNECTOR (PC BOARD) 2P			
* CN304	1-750-217-21	CONNECTOR (WAFER) 18P			
		< DIODE >			
D301	8-719-027-50	DIODE MA142WK			
D302	8-719-027-50	DIODE MA142WK			
D303	8-719-027-50	DIODE MA142WK			
		< IC >			
IC301	8-752-075-59	IC CXA2511Q-T4			

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R301	1-208-571-61	METAL GLAZE	68K	2%	1/8W
R302	1-208-571-61	METAL GLAZE	68K	2%	1/8W
R303	1-208-587-11	METAL GLAZE	330K	2%	1/8W
R304	1-208-512-11	METAL GLAZE	12K	2%	1/8W
R305	1-208-810-11	METAL GLAZE	15K	2%	1/8W
R306	1-208-415-61	METAL GLAZE	120	2%	1/8W
R307	1-216-682-11	METAL CHIP	20K	0.5%	1/10W
R322	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R323	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R324	1-216-113-00	METAL CHIP	470K	5%	1/10W
R325	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R326	1-216-073-00	METAL CHIP	10K	5%	1/10W
R327	1-216-025-00	METAL GLAZE	100	5%	1/10W
R401	1-208-571-61	METAL GLAZE	68K	2%	1/8W
R402	1-208-571-61	METAL GLAZE	68K	2%	1/8W
R403	1-208-587-11	METAL GLAZE	330K	2%	1/8W
R404	1-208-512-11	METAL GLAZE	12K	2%	1/8W
R405	1-208-810-11	METAL GLAZE	15K	2%	1/8W
R406	1-208-415-61	METAL GLAZE	120	2%	1/8W
		< VARIABLE RESISTOR >			
RV301	1-241-785-11	RES, ADJ, CERMET 10K			
RV401	1-241-785-11	RES, ADJ, CERMET 10K			
		< SWITCH >			
S301	1-570-953-11	SWITCH, PUSH (1 KEY) (TAPE DET)			
S302	1-570-953-11	SWITCH, PUSH (1 KEY) (FWD/REV)			
**********					
*	1-661-606-11	INDICATOR BOARD			
		**********			
		< CONNECTOR >			
CN850	1-770-621-21	PIN, CONNECTOR 4P			
		< DIODE >			
D850	8-719-033-13	LED CL-170Y-CD-T			

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q850	8-729-015-74	TRANSISTOR UN5111			
		< RESISTOR >			
R850	1-216-049-11	METAL GLAZE	1K	5% 1/10W	
**********					
*	A-3309-424-A	INVERTER BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C810	1-126-963-11	ELECT	4.7uF	20%	50V
C811	1-104-760-11	CERAMIC CHIP	0.047uF	10%	50V
C812	1-104-760-11	CERAMIC CHIP	0.047uF	10%	50V
C813	1-126-933-11	ELECT	100uF	20%	16V
C814	1-104-760-11	CERAMIC CHIP	0.047uF	10%	50V
C815	1-126-933-11	ELECT	100uF	20%	16V
C816	1-104-760-11	CERAMIC CHIP	0.047uF	10%	50V
		< CONNECTOR >			
* CN810	1-506-989-11	PIN, CONNECTOR (PC BOARD) 7P			
		< DIODE >			
D810	8-719-977-32	DIODE DTZ11B			
D811	8-719-976-69	DIODE DTZ4.7C			
		< COIL >			
L811	1-414-712-21	INDUCTOR 1mH			
		< TRANSISTOR >			
Q810	8-729-808-02	TRANSISTOR 2SD1622-T-TD			
Q811	8-729-808-02	TRANSISTOR 2SD1622-T-TD			
Q812	8-729-421-22	TRANSISTOR UN2211			
		< RESISTOR >			
R810	1-216-017-00	METAL CHIP	47	5% 1/10W	
R811	1-216-077-00	METAL CHIP	15K	5% 1/10W	
R812	1-216-049-11	METAL GLAZE	1K	5% 1/10W	
R813	1-216-001-00	METAL CHIP	10	5% 1/10W	
		< TRANSFORMER >			
T810	1-429-657-11	TRANSFORMER, INVERTER			
**********					

Ref. No.	Part No.	Description			Remark
		KEY BOARD			
		*********			
*	3-934-395-01	ILLUMINATOR (LCD)			
	3-934-412-01	PLATE (LCD), GROUND			
		< CAPACITOR >			
C770	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C771	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C772	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C773	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
		< CONNECTOR >			
CN701	1-778-183-11	PLUG, CONNECTOR 18P			
		< DIODE >			
D750	8-719-422-49	DIODE MA8056-L			
D770	8-719-422-43	DIODE MA8051-H			
D772	8-719-422-43	DIODE MA8051-H			
D774	8-719-404-49	DIODE MA111			
		< ELECTRO LUMINESCENT LIGHT >			
EL701	1-517-557-11	LIGHT, ELECTRO LUMINESCENT			
		< IC >			
IC701	8-759-331-68	IC uPD16432AGC-011-9EU			
IC702	8-759-397-71	IC uPD16432AGC-012			
IC703	8-749-012-17	IC RS-140-T			
		< LIQUID CRYSTAL DISPLAY >			
LCD701	1-801-281-11	DISPLAY PANEL, LIQUID CRYSTAL			
		< DIODE >			
LED751	8-719-052-72	LED CL-220HR-C			
LED752	8-719-052-72	LED CL-220HR-C			
LED753	8-719-052-72	LED CL-220HR-C			
LED755	8-719-052-72	LED CL-220HR-C			
LED756	8-719-052-72	LED CL-220HR-C			
LED757	8-719-052-72	LED CL-220HR-C			
LED758	8-719-052-72	LED CL-220HR-C			
LED761	8-719-987-45	LED CL-155Y/PG-CD			
LED762	8-719-987-45	LED CL-155Y/PG-CD			
LED763	8-719-987-45	LED CL-155Y/PG-CD			
LED764	8-719-987-45	LED CL-155Y/PG-CD			
LED765	8-719-987-45	LED CL-155Y/PG-CD			
LED766	8-719-987-45	LED CL-155Y/PG-CD			
LED767	8-719-987-45	LED CL-155Y/PG-CD			
LED768	8-719-987-45	LED CL-155Y/PG-CD			

KEY

Ref. No.	Part No.	Description	Remark
		< SWITCH >	
LSW700	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(OPEN ⏏)
LSW702	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(DSPL)
LSW703	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(LIST)
LSW705	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(10)
LSW706	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(9)
LSW707	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(8)
LSW708	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(7)
LSW709	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(6)
LSW710	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(5)
LSW711	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(OFF)
LSW712	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(SOURCE)
LSW713	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(SOUND)
LSW714	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(⏭ ▶▶ (SEEK/AMS))
LSW715	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(⏮ ◀◀ (SEEK/AMS))
LSW716	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(SHIFT)
LSW717	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(1)
LSW718	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(2)
LSW719	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(3)
LSW720	1-762-620-11	SWITCH, KEY BOARD (WITH LED)	(4)
		< TRANSISTOR >	
Q750	8-729-106-68	TRANSISTOR 2SD1615A-GP	
Q774	8-729-904-66	TRANSISTOR DTD113EK	
Q775	8-729-904-66	TRANSISTOR DTD113EK	
		< RESISTOR >	
R701	1-216-045-00	METAL CHIP 680 5%	1/10W
R702	1-216-045-00	METAL CHIP 680 5%	1/10W
R703	1-216-045-00	METAL CHIP 680 5%	1/10W
R704	1-216-049-11	METAL GLAZE 1K 5%	1/10W
R705	1-216-053-00	METAL CHIP 1.5K 5%	1/10W
R706	1-216-823-11	METAL CHIP 1.5K 5%	1/16W
R707	1-216-825-11	METAL CHIP 2.2K 5%	1/16W
R708	1-216-827-11	METAL CHIP 3.3K 5%	1/16W
R709	1-216-829-11	METAL CHIP 4.7K 5%	1/16W
R710	1-216-831-11	METAL CHIP 6.8K 5%	1/16W
R712	1-216-045-00	METAL CHIP 680 5%	1/10W
R713	1-216-045-00	METAL CHIP 680 5%	1/10W
R714	1-216-819-11	METAL CHIP 680 5%	1/16W
R715	1-216-049-11	METAL GLAZE 1K 5%	1/10W
R716	1-216-053-00	METAL CHIP 1.5K 5%	1/10W
R717	1-216-823-11	METAL CHIP 1.5K 5%	1/16W
R718	1-216-825-11	METAL CHIP 2.2K 5%	1/16W
R719	1-216-827-11	METAL CHIP 3.3K 5%	1/16W
R720	1-216-829-11	METAL CHIP 4.7K 5%	1/16W
R721	1-216-037-00	METAL CHIP 330 5%	1/10W
R722	1-216-041-00	METAL CHIP 470 5%	1/10W
R723	1-216-033-00	METAL CHIP 220 5%	1/10W
R724	1-216-027-00	METAL CHIP 120 5%	1/10W
R725	1-216-037-00	METAL CHIP 330 5%	1/10W
R726	1-216-021-00	METAL CHIP 68 5%	1/10W
R727	1-216-021-00	METAL CHIP 68 5%	1/10W
R728	1-216-033-00	METAL CHIP 220 5%	1/10W
R729	1-216-033-00	METAL CHIP 220 5%	1/10W
R730	1-216-033-00	METAL CHIP 220 5%	1/10W
R731	1-216-029-00	METAL CHIP 150 5%	1/10W
R732	1-216-029-00	METAL CHIP 150 5%	1/10W
R733	1-216-029-00	METAL CHIP 150 5%	1/10W
R734	1-216-029-00	METAL CHIP 150 5%	1/10W
R735	1-216-033-00	METAL CHIP 220 5%	1/10W
R736	1-216-027-00	METAL CHIP 120 5%	1/10W
R737	1-216-033-00	METAL CHIP 220 5%	1/10W
R750	1-216-041-00	METAL CHIP 470 5%	1/10W
R751	1-216-045-00	METAL CHIP 680 5%	1/10W
R752	1-216-045-00	METAL CHIP 680 5%	1/10W
R753	1-216-045-00	METAL CHIP 680 5%	1/10W
R755	1-216-045-00	METAL CHIP 680 5%	1/10W
R756	1-216-045-00	METAL CHIP 680 5%	1/10W
R757	1-216-045-00	METAL CHIP 680 5%	1/10W
R758	1-216-045-00	METAL CHIP 680 5%	1/10W
R770	1-216-041-00	METAL CHIP 470 5%	1/10W
R772	1-216-041-00	METAL CHIP 470 5%	1/10W
R773	1-216-025-00	METAL GLAZE 100 5%	1/10W
R774	1-216-049-11	METAL GLAZE 1K 5%	1/10W
R779	1-216-825-11	METAL CHIP 2.2K 5%	1/16W
R780	1-216-825-11	METAL CHIP 2.2K 5%	1/16W
R781	1-216-841-11	METAL CHIP 47K 5%	1/16W
R786	1-216-825-11	METAL CHIP 2.2K 5%	1/16W
R787	1-216-825-11	METAL CHIP 2.2K 5%	1/16W
R788	1-216-841-11	METAL CHIP 47K 5%	1/16W
R789	1-216-845-11	METAL CHIP 100K 5%	1/16W
R790	1-216-845-11	METAL CHIP 100K 5%	1/16W
R791	1-216-841-11	METAL CHIP 47K 5%	1/16W
R792	1-216-841-11	METAL CHIP 47K 5%	1/16W
R797	1-216-025-00	METAL GLAZE 100 5%	1/10W
		< NETWORK RESISTOR >	
RB701	1-239-426-11	NETWORK RESISTOR (CHIP) 2.2K	
RB702	1-239-426-11	NETWORK RESISTOR (CHIP) 2.2K	
RB703	1-239-426-11	NETWORK RESISTOR (CHIP) 2.2K	
RB704	1-239-426-11	NETWORK RESISTOR (CHIP) 2.2K	
		< ROTARY ENCODER >	
RE701	1-473-644-11	ENCODER, ROTARY (ENCODER)	

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Ref. No.	Part No.	Description			Remark
*	A-3294-097-A	MAIN BOARD, COMPLETE (US, Canadian)			
*	A-3294-100-A	MAIN BOARD, COMPLETE (E)			
		**********			
		< BUZZER >			
BZ501	1-504-920-11	BUZZER			
		< CAPACITOR >			
C11	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C12	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C13	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C14	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C15	1-136-153-00	FILM	0.01uF	5%	50V
C16	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C17	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C18	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C19	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C20	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C21	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C22	1-126-933-11	ELECT	100uF	20%	16V
C23	1-126-933-11	ELECT	100uF	20%	16V
C24	1-126-933-11	ELECT	100uF	20%	16V
C31	1-104-554-11	FILM CHIP	0.018uF	5%	16V (E)
C31	1-104-556-11	FILM CHIP	0.027uF	5%	16V (US, Canadian)
C32	1-104-946-11	ELECT	10uF	20%	35V
C33	1-104-539-11	FILM CHIP	0.001uF	5%	50V
C34	1-104-547-11	FILM CHIP	0.0047uF	5%	16V
C35	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C41	1-104-554-11	FILM CHIP	0.018uF	5%	16V (E)
C41	1-104-556-11	FILM CHIP	0.027uF	5%	16V (US, Canadian)
C42	1-104-946-11	ELECT	10uF	20%	35V
C43	1-104-539-11	FILM CHIP	0.001uF	5%	50V
C44	1-104-547-11	FILM CHIP	0.0047uF	5%	16V
C45	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C59	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C60	1-126-162-11	ELECT	3.3uF	20%	50V
C61	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C62	1-104-559-11	FILM CHIP	0.047uF	5%	16V
C63	1-104-559-11	FILM CHIP	0.047uF	5%	16V
C64	1-104-559-11	FILM CHIP	0.047uF	5%	16V
C65	1-104-559-11	FILM CHIP	0.047uF	5%	16V
C66	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C67	1-126-157-11	ELECT	10uF	20%	16V
C68	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C69	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C70	1-126-301-11	ELECT	1uF	20%	50V
C71	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C72	1-126-277-11	ELECT	100uF	20%	10V
C73	1-126-277-11	ELECT	100uF	20%	10V
C74	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C75	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C76	1-136-169-00	FILM	0.22uF	5%	50V
C77	1-137-368-11	FILM	0.0047uF	5%	50V
C83	1-126-301-11	ELECT	1uF	20%	50V
C84	1-104-760-11	CERAMIC CHIP	0.047uF	10%	50V
C85	1-136-159-00	FILM	0.033uF	5%	50V
C88	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C91	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C92	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C93	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C94	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C96	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C97	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C98	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C99	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C101	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C102	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C103	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C201	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C202	1-126-157-11	ELECT	10uF	20%	16V
C203	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C204	1-126-012-11	ELECT	470uF	20%	16V
C211	1-104-946-11	ELECT	10uF	20%	35V
C221	1-104-946-11	ELECT	10uF	20%	35V
C231	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C232	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C233	1-126-277-11	ELECT	100uF	20%	10V
C305	1-136-165-00	FILM	0.1uF	5%	50V
C306	1-137-366-11	FILM	0.0022uF	5%	50V
C307	1-104-946-11	ELECT	10uF	20%	35V
C308	1-137-366-11	FILM	0.0022uF	5%	50V
C309	1-137-194-11	FILM	0.47uF	5%	50V
C310	1-104-946-11	ELECT	10uF	20%	35V
C332	1-126-059-11	ELECT	10uF	20%	63V
C333	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C342	1-126-059-11	ELECT	10uF	20%	63V
C343	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C351	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C352	1-126-277-11	ELECT	100uF	20%	10V
C353	1-126-277-11	ELECT	100uF	20%	10V
C354	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C355	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C357	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C358	1-104-551-11	FILM CHIP	0.01uF	5%	16V

MAIN

Ref. No.	Part No.	Description			Remark
C361	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C364	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C367	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C368	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C371	1-104-946-11	ELECT	10uF	20%	35V
C372	1-104-946-11	ELECT	10uF	20%	35V
C374	1-126-059-11	ELECT	10uF	20%	63V
C375	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C381	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C382	1-126-277-11	ELECT	100uF	20%	10V
C383	1-126-161-11	ELECT	2.2uF	20%	50V
C384	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C385	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C405	1-136-165-00	FILM	0.1uF	5%	50V
C406	1-137-366-11	FILM	0.0022uF	5%	50V
C407	1-104-946-11	ELECT	10uF	20%	35V
C408	1-137-366-11	FILM	0.0022uF	5%	50V
C409	1-137-194-11	FILM	0.47uF	5%	50V
C410	1-104-946-11	ELECT	10uF	20%	35V
C432	1-126-059-11	ELECT	10uF	20%	63V
C433	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C442	1-126-059-11	ELECT	10uF	20%	63V
C443	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C471	1-104-946-11	ELECT	10uF	20%	35V
C472	1-104-946-11	ELECT	10uF	20%	35V
C474	1-126-059-11	ELECT	10uF	20%	63V
C475	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C502	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C503	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C504	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C505	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C506	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C511	1-126-157-11	ELECT	10uF	20%	16V
C516	1-126-157-11	ELECT	10uF	20%	16V
C517	1-126-157-11	ELECT	10uF	20%	16V
C551	1-125-705-11	DOUBLE LAYERS	0.22F		5.5V
C552	1-126-924-11	ELECT	330uF	20%	10V
C553	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C554	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C555	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C561	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C562	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C572	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C581	1-126-163-11	ELECT	4.7uF	20%	50V
C591	1-107-686-11	TANTAL. CHIP	4.7uF	20%	16V
C651	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C901	1-128-489-11	ELECT	3300uF	20%	16V
C902	1-136-961-11	FILM	0.047uF	10%	160V
C903	1-126-013-11	ELECT	1000uF	20%	16V
C904	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C905	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C906	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C907	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C908	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C910	1-104-953-11	ELECT	47uF	20%	16V
C911	1-126-301-11	ELECT	1uF	20%	50V
C920	1-126-023-11	ELECT	100uF	20%	25V
C921	1-126-023-11	ELECT	100uF	20%	25V
C922	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C923	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C924	1-126-161-11	ELECT	2.2uF	20%	50V
C925	1-111-088-11	ELECT	390uF	20%	35V
C926	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C931	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C932	1-104-539-11	FILM CHIP	0.001uF	5%	50V
C941	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C942	1-104-539-11	FILM CHIP	0.001uF	5%	50V

< CONNECTOR >

* CN10	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P	(MAIN ANT, SUB ANT)
* CN201	1-750-218-21	CONNECTOR (HOUSING) 18P	
CN202	1-691-591-11	PIN, CONNECTOR (1.5MM) (SMD) 8P	
CN571	1-580-907-31	PLUG, CONNECTOR (BUS CONTROL IN)	
CN650	1-778-047-21	CONNECTOR, FPC 21P	
* CN651	1-506-999-11	PIN, CONNECTOR (PC BOARD) 3P	
* CN652	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P	
CN653	1-770-623-21	PIN, CONNECTOR 6P	
CN654	1-770-621-21	PIN, CONNECTOR 4P	
CN655	1-770-621-21	PIN, CONNECTOR 4P	
CN900	1-774-701-11	PIN, CONNECTOR 16P	
* CN901	1-506-988-11	PIN, CONNECTOR (PC BOARD) 6P	
* CN902	1-506-988-11	PIN, CONNECTOR (PC BOARD) 6P	

< DISCHARGE GAP >

CP11	1-519-504-11	GAP, DISCHARGE
CP12	1-519-504-11	GAP, DISCHARGE

< DIODE >

D11	8-719-421-40	DIODE MA77
D12	8-719-421-40	DIODE MA77
D13	8-719-421-40	DIODE MA77
D14	8-719-421-40	DIODE MA77
D15	8-719-040-04	DIODE MA721WK-(TX)
D71	8-719-977-02	DIODE DTZ-TT11-5.6A
D72	8-719-977-23	DIODE DTZ9.1A
D101	8-719-404-49	DIODE MA111
D202	8-719-977-25	DIODE DTZ9.1C

Ref. No.	Part No.	Description	Remark
D203	8-719-404-49	DIODE MA111	
D204	8-719-801-78	DIODE 1SS184	
D231	8-719-977-25	DIODE DTZ9.1C	
D501	8-719-027-48	DIODE MA142WA	
D551	8-719-040-04	DIODE MA721WK-(TX)	
D552	8-719-404-49	DIODE MA111	
D553	8-719-027-48	DIODE MA142WA	
D554	8-719-105-99	DIODE RD6.2M-B1	
D561	8-719-404-49	DIODE MA111	
D562	8-719-034-46	DIODE MA4062-M(QZ)	
D563	8-719-034-46	DIODE MA4062-M(QZ)	
D571	8-719-977-12	DIODE DTZ6.8B	
D572	8-719-034-46	DIODE MA4062-M(QZ)	
D573	8-719-034-46	DIODE MA4062-M(QZ)	
D574	8-719-034-46	DIODE MA4062-M(QZ)	
D575	8-719-978-69	DIODE DTZ-TT11-16B	
D576	8-719-404-49	DIODE MA111	
D577	8-719-404-49	DIODE MA111	
D581	8-719-027-50	DIODE MA142WK	
D582	8-719-105-99	DIODE RD6.2M-B1	
D591	8-719-801-78	DIODE 1SS184	
D592	8-719-105-99	DIODE RD6.2M-B1	
D651	8-719-977-32	DIODE DTZ11B	
D660	8-719-977-32	DIODE DTZ11B	
D661	8-719-105-99	DIODE RD6.2M-B1	
D662	8-719-105-99	DIODE RD6.2M-B1	
D663	8-719-105-99	DIODE RD6.2M-B1	
D664	8-719-105-99	DIODE RD6.2M-B1	
D665	8-719-105-99	DIODE RD6.2M-B1	
D666	8-719-105-99	DIODE RD6.2M-B1	
D667	8-719-105-99	DIODE RD6.2M-B1	
D668	8-719-105-99	DIODE RD6.2M-B1	
D669	8-719-105-99	DIODE RD6.2M-B1	
D670	8-719-105-99	DIODE RD6.2M-B1	
D671	8-719-105-99	DIODE RD6.2M-B1	
D672	8-719-105-99	DIODE RD6.2M-B1	
D901	8-719-049-38	DIODE 1N5404TU	
D903	8-719-404-49	DIODE MA111	
D911	8-719-404-49	DIODE MA111	
D920	8-719-404-49	DIODE MA111	
		< DC-DC CONVERTER >	
DDC920	1-473-682-11	CONVERTER UNIT, DC-DC	
		< FUSE >	
F901	1-532-797-11	FUSE (BLADE TYPE) (AUTO FUSE) 7.5A	

Ref. No.	Part No.	Description	Remark
		< FERRITE BEAD >	
FB1	1-216-295-00	CONDUCTOR, CHIP	(2012)
		< IC >	
IC10	8-759-346-65	IC TA2083FN-EL	
IC31	8-759-711-82	IC NJM4580E	
IC41	8-759-711-82	IC NJM4580E	
IC60	8-759-367-11	IC HA12181FP-EL	
IC90	8-759-823-81	IC LC7216M	
IC101	8-759-428-05	IC MN1883220S4B3	
IC201	8-759-823-87	IC LB1638M	
IC301	8-752-075-48	IC CXA1946AQ-T6	
IC303	8-759-346-19	IC NJM79L06UA-TE1	
IC304	8-759-346-20	IC NJM78L06UA-TE1	
IC305	8-759-700-94	IC NJM5532M	
IC362	8-759-711-82	IC NJM4580E	
IC381	8-752-068-73	IC CXA1846M-T6	
IC405	8-759-700-94	IC NJM5532M	
IC501	8-759-421-78	IC uPD78078GF-030-3BA	
IC551	8-759-196-18	IC M62008FP-T1	
IC571	8-759-096-16	IC MM1175XF-T1	
IC601	8-759-347-49	IC BA3918-V2	
		< JACK >	
J561	1-566-822-11	JACK (REMOTE IN)	
		< COIL >	
L10	1-410-525-11	INDUCTOR 220uH	
L11	1-410-999-11	INDUCTOR CHIP 3.3uH	
L91	1-414-233-21	INDUCTOR, FERRITE BEAD	
L101	1-414-233-21	INDUCTOR, FERRITE BEAD	
L102	1-414-233-21	INDUCTOR, FERRITE BEAD	
L501	1-414-233-21	INDUCTOR, FERRITE BEAD	
L901	1-411-669-12	COIL, CHOKE	
L903	1-411-404-11	COIL, CHOKE 680uH	
		< TRANSISTOR >	
Q11	8-729-231-74	TRANSISTOR 2SC4116-GL	
Q32	8-729-021-95	TRANSISTOR RN1441-A(TE85L)	
Q42	8-729-021-95	TRANSISTOR RN1441-A(TE85L)	
Q71	8-729-808-02	TRANSISTOR 2SD1622-T-TD	
Q72	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q73	8-729-021-94	TRANSISTOR 2SK1657-T1B	
Q74	8-729-231-74	TRANSISTOR 2SC4116-GL	
Q81	8-729-021-95	TRANSISTOR RN1441-A(TE85L)	
Q82	8-729-015-74	TRANSISTOR UN5111	
Q101	8-729-015-76	TRANSISTOR UN5211	

MAIN

Ref. No.	Part No.	Description	Remark
Q201	8-729-807-12	TRANSISTOR 2SD1802-S	
Q202	8-729-015-74	TRANSISTOR UN5111	
Q203	8-729-106-60	TRANSISTOR 2SB1115A	
Q205	8-729-429-92	TRANSISTOR XN1211	
Q231	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q232	8-729-106-60	TRANSISTOR 2SB1115A	
Q233	8-729-015-74	TRANSISTOR UN5111	
Q234	8-729-421-22	TRANSISTOR UN2211	
Q235	8-729-900-51	TRANSISTOR DTA114TK	
Q331	8-729-021-95	TRANSISTOR RN1441-A(TE85L)	
Q341	8-729-021-95	TRANSISTOR RN1441-A(TE85L)	
Q371	8-729-021-95	TRANSISTOR RN1441-A(TE85L)	
Q431	8-729-021-95	TRANSISTOR RN1441-A(TE85L)	
Q441	8-729-021-95	TRANSISTOR RN1441-A(TE85L)	
Q471	8-729-021-95	TRANSISTOR RN1441-A(TE85L)	
Q501	8-729-421-22	TRANSISTOR UN2211	
Q551	8-729-024-31	TRANSISTOR XN1111-TX	
Q571	8-729-015-74	TRANSISTOR UN5111	
Q572	8-729-015-76	TRANSISTOR UN5211	
Q573	8-729-015-74	TRANSISTOR UN5111	
Q574	8-729-231-74	TRANSISTOR 2SC4116-GL	
Q581	8-729-231-74	TRANSISTOR 2SC4116-GL	
Q591	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q650	8-729-429-92	TRANSISTOR XN1211	
Q651	8-729-015-74	TRANSISTOR UN5111	
Q652	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q653	8-729-141-83	TRANSISTOR 2SB1094-LK	
Q655	8-729-106-60	TRANSISTOR 2SB1115A	
Q656	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q657	8-729-216-22	TRANSISTOR 2SA1162-G	
Q910	8-729-015-74	TRANSISTOR UN5111 (US, Canadian)	
Q911	8-729-144-85	TRANSISTOR 2SK1133	
Q921	8-729-015-76	TRANSISTOR UN5211	
Q922	8-729-424-08	TRANSISTOR UN2111 (E)	

< RESISTOR >

R11	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R12	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R13	1-216-812-11	METAL CHIP	180	5%	1/16W
R14	1-216-848-11	METAL CHIP	180K	5%	1/16W
R15	1-216-845-11	METAL CHIP	100K	5%	1/16W
R16	1-216-836-11	METAL CHIP	18K	5%	1/16W
R17	1-216-821-11	METAL CHIP	1K	5%	1/16W
R18	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R20	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R30	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R31	1-208-534-61	METAL GLAZE	100K	2%	1/10W
R32	1-208-518-61	METAL GLAZE	22K	2%	1/10W
R34	1-216-295-00	CONDUCTOR, CHIP			(2012)
R35	1-208-453-61	METAL GLAZE	4.7K	2%	1/10W
R36	1-208-453-61	METAL GLAZE	4.7K	2%	1/10W
R37	1-208-437-61	METAL GLAZE	1K	2%	1/10W
R40	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R41	1-208-534-61	METAL GLAZE	100K	2%	1/10W
R42	1-208-518-61	METAL GLAZE	22K	2%	1/10W
R44	1-216-295-00	CONDUCTOR, CHIP			(2012)
R45	1-208-453-61	METAL GLAZE	4.7K	2%	1/10W
R46	1-208-453-61	METAL GLAZE	4.7K	2%	1/10W
R47	1-208-437-61	METAL GLAZE	1K	2%	1/10W
R50	1-216-073-00	METAL CHIP	10K	5%	1/10W
R60	1-216-845-11	METAL CHIP	100K	5%	1/16W
R61	1-216-834-11	METAL CHIP	12K	5%	1/16W
R62	1-216-850-11	METAL CHIP	270K	5%	1/16W
R63	1-216-841-11	METAL CHIP	47K	5%	1/16W
R64	1-216-845-11	METAL CHIP	100K	5%	1/16W
R71	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R72	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R73	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R74	1-216-073-00	METAL CHIP	10K	5%	1/10W
R75	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R76	1-216-845-11	METAL CHIP	100K	5%	1/16W
R77	1-216-073-00	METAL CHIP	10K	5%	1/10W
R83	1-208-449-61	METAL GLAZE	3.3K	2%	1/10W
R84	1-208-522-61	METAL GLAZE	33K	2%	1/10W
R88	1-216-833-11	METAL CHIP	10K	5%	1/16W
R89	1-216-833-11	METAL CHIP	10K	5%	1/16W
R91	1-216-833-11	METAL CHIP	10K	5%	1/16W
R92	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R93	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R101	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R102	1-216-845-11	METAL CHIP	100K	5%	1/16W
R103	1-216-295-00	CONDUCTOR, CHIP			(2012) (US, Canadian)
R106	1-216-845-11	METAL CHIP	100K	5%	1/16W (E)
R108	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R201	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R202	1-216-150-00	METAL GLAZE	10	5%	1/8W
R203	1-216-150-00	METAL GLAZE	10	5%	1/8W
R204	1-216-150-00	METAL GLAZE	10	5%	1/8W
R205	1-216-150-00	METAL GLAZE	10	5%	1/8W
R206	1-208-453-61	METAL GLAZE	4.7K	2%	1/10W
R207	1-216-073-00	METAL CHIP	10K	5%	1/10W
R208	1-216-841-11	METAL CHIP	47K	5%	1/16W
R230	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R301	1-216-214-00	METAL GLAZE	4.7K	2%	1/8W
R304	1-208-486-61	METAL GLAZE	1K	2%	1/8W (E)
R304	1-216-214-00	METAL GLAZE	4.7K	2%	1/8W (US, Canadian)

Ref. No.	Part No.	Description			Remark
R330	1-208-437-61	METAL GLAZE	1K	2%	1/10W
R331	1-216-210-00	METAL GLAZE	3.3K	2%	1/8W
R332	1-216-214-00	METAL GLAZE	4.7K	2%	1/8W
R333	1-216-182-00	METAL GLAZE	220	2%	1/8W
R336	1-216-238-00	METAL GLAZE	47K	2%	1/8W
R340	1-208-437-61	METAL GLAZE	1K	2%	1/10W
R341	1-216-210-00	METAL GLAZE	3.3K	2%	1/8W
R342	1-216-214-00	METAL GLAZE	4.7K	2%	1/8W
R343	1-216-182-00	METAL GLAZE	220	2%	1/8W
R346	1-216-238-00	METAL GLAZE	47K	2%	1/8W
R371	1-216-238-00	METAL GLAZE	47K	2%	1/8W
R372	1-216-210-00	METAL GLAZE	3.3K	2%	1/8W
R373	1-216-214-00	METAL GLAZE	4.7K	2%	1/8W
R374	1-216-182-00	METAL GLAZE	220	2%	1/8W
R375	1-216-238-00	METAL GLAZE	47K	2%	1/8W
R401	1-216-214-00	METAL GLAZE	4.7K	2%	1/8W
R404	1-208-486-61	METAL GLAZE	1K	2%	1/8W (E)
R404	1-216-214-00	METAL GLAZE	4.7K	2%	1/8W (US, Canadian)
R430	1-208-437-61	METAL GLAZE	1K	2%	1/10W
R431	1-216-210-00	METAL GLAZE	3.3K	2%	1/8W
R432	1-216-214-00	METAL GLAZE	4.7K	2%	1/8W
R433	1-216-182-00	METAL GLAZE	220	2%	1/8W
R436	1-216-238-00	METAL GLAZE	47K	2%	1/8W
R440	1-208-437-61	METAL GLAZE	1K	2%	1/10W
R441	1-216-210-00	METAL GLAZE	3.3K	2%	1/8W
R442	1-216-214-00	METAL GLAZE	4.7K	2%	1/8W
R443	1-216-182-00	METAL GLAZE	220	2%	1/8W
R446	1-216-238-00	METAL GLAZE	47K	2%	1/8W
R471	1-216-238-00	METAL GLAZE	47K	2%	1/8W
R472	1-216-210-00	METAL GLAZE	3.3K	2%	1/8W
R473	1-216-214-00	METAL GLAZE	4.7K	2%	1/8W
R474	1-216-182-00	METAL GLAZE	220	2%	1/8W
R475	1-216-238-00	METAL GLAZE	47K	2%	1/8W
R505	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R506	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R507	1-216-845-11	METAL CHIP	100K	5%	1/16W
R508	1-216-358-21	METAL CHIP	680K	2%	1/16W
R510	1-216-821-11	METAL CHIP	1K	5%	1/16W
R512	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R513	1-216-837-11	METAL CHIP	22K	5%	1/16W
R526	1-216-837-11	METAL CHIP	22K	5%	1/16W
R527	1-216-837-11	METAL CHIP	22K	5%	1/16W
R531	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R552	1-218-716-11	METAL CHIP	10K	0.50%	1/16W
R553	1-218-716-11	METAL CHIP	10K	0.50%	1/16W
R555	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R556	1-216-845-11	METAL CHIP	100K	5%	1/16W
R557	1-216-097-00	METAL GLAZE	100K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R561	1-216-025-00	METAL GLAZE	100	5%	1/10W
R562	1-216-025-00	METAL GLAZE	100	5%	1/10W
R563	1-218-716-11	METAL CHIP	10K	0.50%	1/16W
R564	1-218-716-11	METAL CHIP	10K	0.50%	1/16W
R571	1-216-025-00	METAL GLAZE	100	5%	1/10W
R572	1-216-025-00	METAL GLAZE	100	5%	1/10W
R573	1-216-073-00	METAL CHIP	10K	5%	1/10W
R574	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R576	1-216-845-11	METAL CHIP	100K	5%	1/16W
R577	1-216-841-11	METAL CHIP	47K	5%	1/16W
R578	1-216-009-00	METAL CHIP	22	5%	1/10W
R581	1-208-494-61	METAL GLAZE	2.2K	2%	1/8W
R582	1-216-073-00	METAL CHIP	10K	5%	1/10W
R584	1-208-518-61	METAL GLAZE	22K	2%	1/10W
R585	1-208-518-61	METAL GLAZE	22K	2%	1/10W
R591	1-208-494-61	METAL GLAZE	2.2K	2%	1/8W
R592	1-216-073-00	METAL CHIP	10K	5%	1/10W
R594	1-208-518-61	METAL GLAZE	22K	2%	1/10W
R595	1-208-518-61	METAL GLAZE	22K	2%	1/10W
R596	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R597	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R651	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R654	1-216-073-00	METAL CHIP	10K	5%	1/10W
R655	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R657	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R658	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R659	1-216-073-00	METAL CHIP	10K	5%	1/10W
R668	1-216-845-11	METAL CHIP	100K	5%	1/16W
R669	1-216-845-11	METAL CHIP	100K	5%	1/16W
R675	1-216-809-11	METAL CHIP	100	5%	1/16W
R680	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R855	1-216-105-00	METAL GLAZE	220K	5%	1/10W
R910	1-216-105-00	METAL GLAZE	220K	5%	1/10W
R911	1-216-017-00	METAL GLAZE	47	5%	1/10W
R932	1-208-486-61	METAL GLAZE	1K	2%	1/8W
R942	1-208-486-61	METAL GLAZE	1K	2%	1/8W

< NETWORK RESISTOR >

RB101	1-239-426-11	NETWORK RESISTOR (CHIP)	2.2K
RB501	1-239-426-11	NETWORK RESISTOR (CHIP)	2.2K
RB502	1-236-907-11	NETWORK RESISTOR (CHIP)	100K
RB503	1-236-907-11	NETWORK RESISTOR (CHIP)	100K
RB504	1-236-907-11	NETWORK RESISTOR (CHIP)	100K
RB505	1-236-907-11	NETWORK RESISTOR (CHIP)	100K
RB651	1-239-426-11	NETWORK RESISTOR (CHIP)	2.2K
RB652	1-239-412-11	NETWORK RESISTOR (CHIP)	100
RB653	1-239-426-11	NETWORK RESISTOR (CHIP)	2.2K

MAIN **MOTOR DRIVE** **PLUNGER** **POSITION** **REEL**

Ref. No.	Part No.	Description			Remark
		< SWITCH >			
S10	1-571-478-11	SWITCH, SLIDE (FM DIVERSITY)			
S101	1-572-272-11	SWITCH, SLIDE (FREQUENCY SELECT) (E)			
S501	1-572-272-11	SWITCH, SLIDE (POWER SELECT)			
S551	1-692-431-21	SWITCH, TACTILE (RESET)			
		< TUNER >			
TU10	A-3282-020-A	TUNER UNIT (TUX-009(E))			
		< VIBRATOR >			
X90	1-567-848-11	VIBRATOR, CRYSTAL (7.2MHz)			
X101	1-579-952-21	VIBRATOR, CERAMIC (8MHz)			
X501	1-579-233-11	VIBRATOR, CERAMIC (5MHz)			
X502	1-760-928-21	VIBRATOR, CRYSTAL (32.768kHz)			
**********					
*	1-661-607-11	MOTOR DRIVE BOARD			
		**********			
		< CAPACITOR >			
C870	1-124-234-00	ELECT	22uF	20%	16V
C871	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C873	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
		< CONNECTOR >			
CN870	1-770-621-21	PIN, CONNECTOR 4P			
* CN871	1-691-741-21	PIN, CONNECTOR (PC BOARD) 2P			
		< DIODE >			
D870	8-719-801-78	DIODE	1SS184		
D871	8-719-404-49	DIODE	MA111		
D872	8-719-404-49	DIODE	MA111		
D873	8-719-423-23	DIODE	MA8110M		
		< IC >			
IC870	8-759-054-67	IC	BA6285FP		
		< TRANSISTOR >			
Q870	8-729-020-67	TRANSISTOR	XN1A312-TX		
Q871	8-729-106-68	TRANSISTOR	2SD1615A-GR		
		< RESISTOR >			
R870	1-216-041-00	METAL CHIP	470	5%	1/10W
**********					

Ref. No.	Part No.	Description			Remark
*	1-660-526-11	PLUNGER BOARD			
		**********			
		< PLUNGER >			
SOL901	1-454-461-11	SOLENOID, PLUNGER			
**********					
*	1-661-605-11	POSITION BOARD			
		**********			
		< CONNECTOR >			
CN830	1-770-623-21	PIN, CONNECTOR 6P			
		< RESISTOR >			
R830	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R831	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R832	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R833	1-216-097-00	METAL GLAZE	100K	5%	1/10W
		< SWITCH >			
SW830	1-572-288-11	SWITCH, PUSH			
SW831	1-572-288-11	SWITCH, PUSH			
SW832	1-572-288-11	SWITCH, PUSH			
SW833	1-572-688-11	SWITCH, PUSH (1 KEY)			
**********					
*	1-660-525-11	REEL BOARD			
		**********			
		< CONNECTOR >			
CN201	1-691-742-11	PIN, CONNECTOR (PC BOARD) 4P			
		< PHOTO REFLECTOR >			
PH201	8-719-988-14	PHOTO REFLECTOR	PR-11-B		
PH202	8-719-988-14	PHOTO REFLECTOR	PR-11-B		
		< TRANSISTOR >			
Q201	8-729-403-07	TRANSISTOR	XN1213		
		< RESISTOR >			
R201	1-216-845-11	METAL CHIP	100K	5%	1/16W
R202	1-216-845-11	METAL CHIP	100K	5%	1/16W
R203	1-216-190-00	METAL GLAZE	470	5%	1/8W
**********					

Ref. No.	Part No.	Description	Remark
*	1-660-524-11	SENSOR BOARD	
		**********	
		< CAPACITOR >	
C421	1-164-222-11	CERAMIC CHIP 0.22uF	25V
		< CONNECTOR >	
* CN421	1-566-005-11	PIN, CONNECTOR (PC BOARD) 8P	
* CN422	1-566-003-11	PIN, CONNECTOR (PC BOARD) 6P	
* CN423	1-506-998-11	PIN, CONNECTOR (PC BOARD) 2P	
* CN424	1-506-998-11	PIN, CONNECTOR (PC BOARD) 2P	
		< DIODE >	
D421	8-719-988-62	DIODE 1SS355	
		< PHOTO INTERRUPTER >	
PH421	8-729-021-62	PHOTO INTERRUPTER SG-211	
		< TRANSISTOR >	
Q421	8-729-902-99	TRANSISTOR DTC114TK	
		< RESISTOR >	
R421	1-216-186-00	METAL GLAZE 330 5% 1/8W	
R422	1-216-186-00	METAL GLAZE 330 5% 1/8W	
R423	1-216-049-11	METAL GLAZE 1K 5% 1/10W	
		MISCELLANEOUS	
		**********	
6	1-777-180-11	CORD (WITH CONNECTOR)	
13	1-778-182-11	SOCKET, CONNECTOR 18P	
24	1-777-163-11	CORD (WITH CONNECTOR)	
25	1-751-721-21	CORD (WITH CONNECTOR) (ANT)	
28	1-661-796-11	PC BOARD, FLEXBLE	
65	1-778-197-11	CONNECTOR, INTER	
F901	1-532-797-11	FUSE (BLADE TYPE) (AUTO FUSE) 7.5A	
HP901	1-500-043-22	HEAD, MAGNETIC (PLAYBACK)	
M301	X-3362-826-1	MOTOR ASSY (LOADING)	
M302	X-3344-136-4	MOTOR ASSY, CAPSTAN	
M801	X-3372-497-1	MOTOR ASSY (OPEN/CLOSE)	
S901	1-572-397-11	SWITCH, ROTARY SLIDE (TAPE OPERATION)	
S902	1-572-765-11	SWITCH, MICRO (CASSETTE)	

Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-467-559-61	REMOTE COMMANDER (RM-X42)	
	1-473-067-31	REMOTE COMMANDER (RM-X2S)	
	3-355-210-11	COVER (2), PIN JACK	
	3-856-596-11	MANUAL, INSTRUCTION (ENGLISH, SPANISH, CHINESE) (E)	
	3-856-596-21	MANUAL, INSTRUCTION (ENGLISH) (US, Canadian)	
	3-856-596-31	MANUAL, INSTRUCTION (FRENCH) (Canadian)	
	3-856-597-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH, CHINESE) (E)	
	3-856-597-21	MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH) (US, Canadian)	
	9-939-081-01	LID, BATTERY CASE (RM-X42)	
	X-3372-325-1	CASE ASSY	

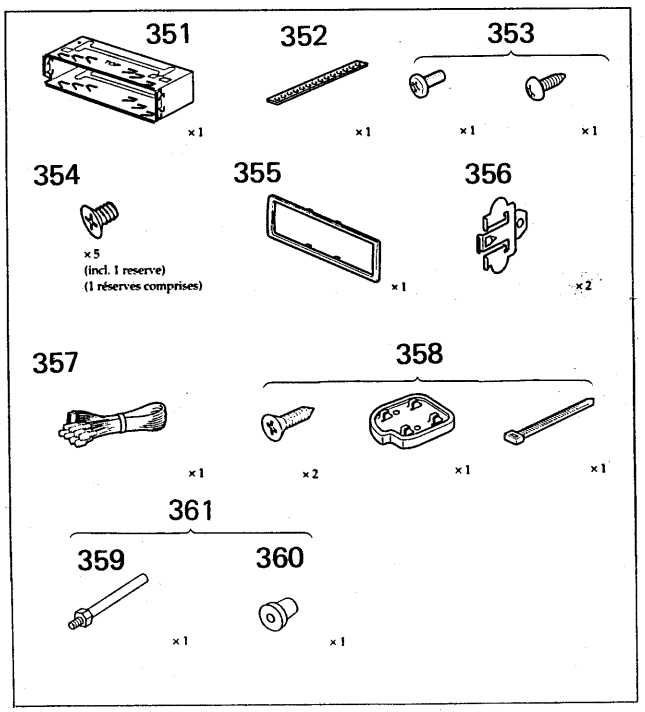
****

HARDWARE LIST

****

#1	7-621-773-95	SCREW +PTT 2.6X6 (S)	
#2	7-685-105-19	SCREW +P 2X8 TYPE2 NON-SLIT	
#3	7-627-852-38	SCREW, PRECISION +P 1.7X1.8 TYPE3	
#4	7-628-253-00	SCREW +PS 2X4	
#5	7-624-102-04	STOP RING 1.5, TYPE -E	
#6	7-621-255-65	SCREW +P 2X10	
#7	7-624-104-04	STOP RING 2.0, TYPE -E	
#8	7-627-554-07	SCREW, PRECISION +P 2X2.2	
#9	7-627-850-18	SCREW, PRECISION +P 1.4X2.5	
#10	7-627-850-67	SCREW, PRECISION +P 1.4X4	
#11	7-627-553-28	SCREW, PRECISION +P 2X2.5	
#12	7-627-554-37	SCREW, PRECISION +P 2X1.8 TYPE1	
#13	7-627-553-68	SCREW, PRECISION +P 2X6	

Ref. No.	Part No.	Description	Remark
		PARTS FOR INSTALLATION AND CONNECTIONS	
		**********	
351	3-916-161-42	FRAME, FITTING	
352	3-914-406-01	SUPPORT (ND), FITTING (US, Canadian)	
353	X-3368-725-1	SCREW ASSY, FITTING (US, Canadian)	
354	3-934-325-01	SCREW, +K (5X8) TAPPING	
355	3-934-788-01	FRAME, ORNAMENTAL	
356	3-934-787-01	SPRING, FITTING	
357	1-777-145-11	CORD (WITH CONNECTOR)	
358	X-3369-817-1	BRACKET ASSY	
359	3-386-828-01	SCREW, FITTING (E)	
360	3-349-410-01	BUSHING (E)	
361	X-3366-405-1	SCREW ASSY (EXP), FITTING (E)	



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XR-C900

SONY

SERVICE MANUAL

US Model
Canadian Model
E Model

CORRECTION-1

Correct your service manual as shown below.

☛ : **indicates corrected portion.**

Page	INCORRECT				CORRECT		
59	Ref. No.	Part No.	Description	Remark	Part No.	Description	Remark
	15	3-934-756-01	ARM (LOCK)		3-934-757-01	HOLDER (LOCK) ☛	
	17	3-934-757-01	HOLDER (LOCK)		3-934-756-01	ARM (LOCK) ☛	

(RPC-98002)

9-923-540-91

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Personal & Mobile Communication Company

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XR-C900

SONY

SERVICE MANUAL

US Model
Canadian Model
E Model

CORRECTION-2

Correct your service manual as shown below.

☛ : indicates corrected portion.

Page	INCORRECT				CORRECT		
	Ref. No.	Part No.	Description	Remark	Part No.	Description	Remark
60	54	3-934-411-01	PLATE, INDICATION		X-3372-438-2	PLATE ASSY, INDICATION (US)	
	54	————			X-3372-442-2	PLATE ASSY, INDICATION (Canadian,E)	

(SPM-00001)

9-923-540-92

Sony Corporation
Mobile Electronics Division Company

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